جامعة عجمان
AJMAN UNIVERSITY

UNDERGRADUATE STUDENT CATALOG

2018-2019

Ajman Campus

Tel: 971-6-7466666

Fax: 971-6-7468888

P.O. Box: 346

United Arab Emirates

Fujairah Campus

Tel: 971-9-2222644

Fax: 971-9-2227644

P. O. Box 2202

United Arab Emirates

Toll Free:

800 6688 ajman.ac.ae

E-mail : info@ajman.ac.ae

His Highness Sheikh Khalifa Bin Zayed Al Nahayan

President of the United Arab Emirates

His Highness Sheikh Humaid Bin Rashid Al Nuaimi

Member of the Supreme Council

Ruler of Ajman Patron of Ajman University

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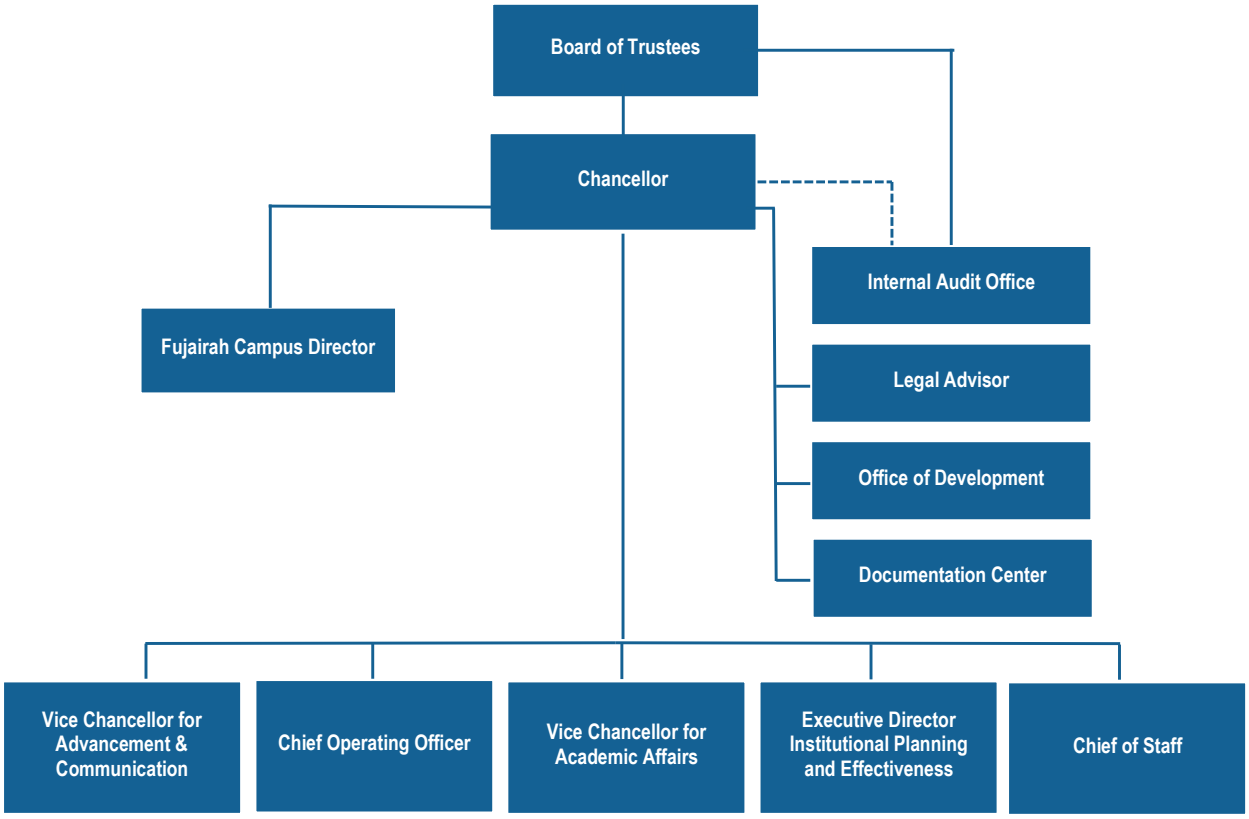
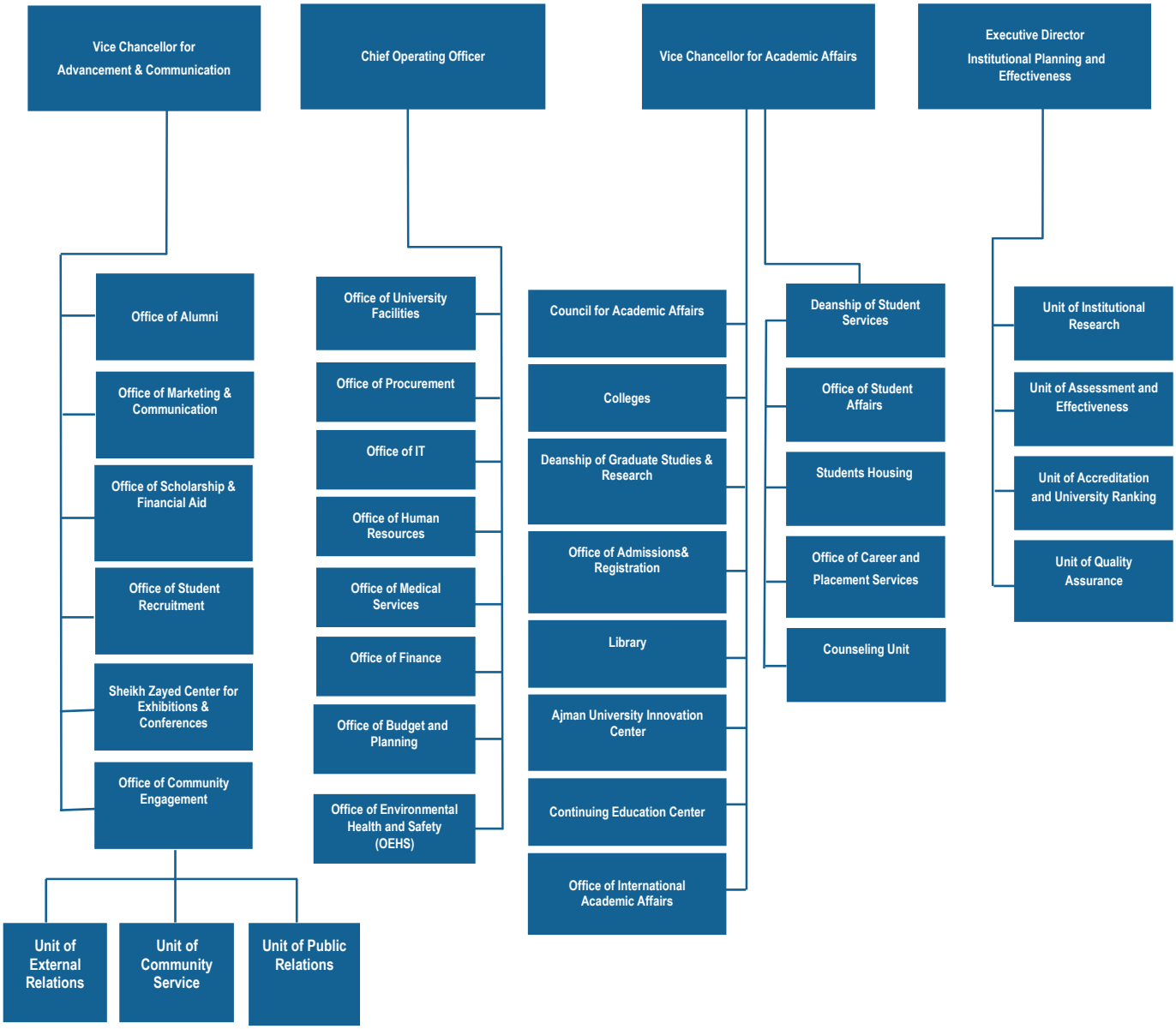
1 Ajman University Organization Chart



AU Organisation Chart (Cont.)



2 Message to AU Students

AU Undergraduate Student Catalog can be used as a reference guide to student life at AU as it provides answers to many of the questions students ask. It gives information about the university, the programs offered by each of the nine colleges, admission and registration procedures, and the key regulations that are relevant to students.

3 History of AU

Ajman University was founded in 1988 as a non-conventional private institution of higher education. The university was established by His Highness Sheikh Humaid Bin Rashid Al-Nuaimi, Member of the Supreme Council and Ruler of Ajman. On 17th June 1988, His Highness issued an Emiri Decree establishing Ajman University College of Science and Technology (AUCST), as AUST was then called, and the first intake of students commenced its learning journey at AUCST on 15th September that year. The Ministry of Education - Higher Education Affairs , decree No 54 of 1997, brought a name change to AUCST as it became Ajman University of Science and Technology (AUST). The name of the university has been changed from Ajman University of Science and Technology (AUST) to Ajman University (AU) starting from 26th of Oct. 2016. AU offers 23 accredited undergraduate programs and 10 accredited graduate programs. The aim of these programs is to provide the community with competent graduates capable of using technology and its applications for the development of UAE society.

Accreditation and Licensure

Ajman University is licensed and its programs are accredited by the Commission for Academic Accreditation (CAA) of the Ministry of Education in the United Arab Emirates.

4 Vision, Mission, Goals, and Core Values

AU Vision

Ajman University aims to be internationally recognized as one of the leading universities in the Arab world in terms of cutting-edge learning, impactful research and responsible outreach and community engagement.

AU Mission

Ajman University (AU) is a multicultural academic institution that offers a broad range of high quality and relevant academic programs. The University strives to fulfil the needs of students, alumni, employers, and society through quality education, scholarship and community engagement. AU develops well-rounded graduates who are professionally competent, socially responsible, innovative and active contributors to sustainable development of the UAE and beyond.

AU Goals

AU strive to achieve the following goals:

1. Ensuring excellence in teaching and learning
2. Enhancing the quality, relevance, and impact of research and intellectual contribution
3. Recruiting, supporting and fostering the development of a bright anddiverse student body
4. Enhancing the visibility and the positioning of the University
5. Building impactful and long-lasting ties with the external communities
6. Promoting cutting-edge and innovative support services

Core Values

Excellence:	All AU activities are conducted with strong emphasis on international quality standards.
Integrity:	AU adheres to the principles of honesty, trustworthiness, reliability, transparency and accountability.
Inclusiveness:	AU embraces shared governance, inspires tolerance, and promotes diversity.
Social Responsibility:	AU promotes community engagement, environmental sustainability and global citizenship. It also promotes awareness of, and support for, the needs and challenges of the local and global communities.

Innovation: AU supports creative activities that approach challenges and issues from multiple perspectives in order to find solutions and advance knowledge.

5 System of Education and Programs Offered

Table 1: Accredited degree programs offered

a. Undergraduate Programs

College الكلية	Specializations and degrees offered التخصصات والدرجات العلمية المطروحة	Years of Study مدة الدراسة	Total CrHrs الساعات المعتمدة	Certificate and percentage required for admission الشهادة والنسبة المطلوبة للالتحاق
Dentistry طب الأسنان	Doctor of Dental Surgery * طبيب جراحة الأسنان	5	199	Advanced Stream - MOE (80%) with minimum score of (80%) in chemistry, Biology and physics / Grade 12. ADEC (80%) with minimum score of (80%) / Third Level in Chemistry, Biology and Physics مسار متقدم - وزارة التربية و التعليم (80 %) مع اجتياز مواد الكيمياء و الأحياء والفيزياء في الصف الثاني عشر بمعدل لا يقل عن (80%) ؛ مجلس أبو ظبي للتعليم (80 %) مع اجتياز مواد الأحياء المتقدم و الكيمياء المتقدم والفيزياء المتقدم بالمستوى الثالث بمعدل لا يقل عن (80%).
College of Medicine الطب	Bachelor of Medicine and Bachelor of Surgery (M.B.B.S) * بكالوريوس في الطب والجراحة	6	224	Advanced Stream - MOE (90%) with minimum score of (90%) in chemistry, Biology and physics / Grade 12. مسار متقدم - وزارة التربية والتعليم (90%)
Pharmacy & Health Sciences الصيدلة والعلوم الصحية	Bachelor of Pharmacy * بكالوريوس الصيدلة	4	150	Advanced Stream - MOE (70%). ADEC (70%) with minimum score of (70%) / Third Level in Chemistry, Biology مسار متقدم - وزارة التربية و التعليم (70 %) . مجلس أبو ظبي للتعليم (70 %) مع اجتياز مواد الأحياء المتقدم و الكيمياء المتقدم بالمستوى الثالث بمعدل لا يقل عن (70%) .

College الكلية	Specializations and degrees offered التخصصات والدرجات العلمية المطروحة	Years of Study مدة الدراسة	Total CrHrs الساعات المعتمدة	Certificate and percentage required for admission الشهادة والنسبة المطلوبة للالتحاق
Engineering & Information Technology الهندسة وتكنلوجيا المعلومات	B. Sc. in Electrical Engineering / Instrumentation and Control* بكالوريوس العلوم في الهندسة الكهربائية/ أجهزة القياس والتحكم	4	142	Advanced Stream - MOE (70%) General Stream – MOE (90%) with minimum score of (90%) in Math and Science in Grade 12, with studying a foundation course in physics. ADEC (70%) with minimum score of (70%) / Third Level in Math and Physics. Industrial Stream with minimum score of (80%). مسار متقدم - وزارة التربية و التعليم (70 %) ؛ مسار عام - وزارة التربية و التعليم (90%) مع اجتياز مواد الرياضيات والعلوم في الصف الثاني عشر بمعدل لا يقل عن (90%) مع دراسة مساق فيزياء تأهيلي في الجامعة؛ مجلس أبو ظبي للتعليم (70 %) مع اجتياز مواد الرياضيات المتقدم والفيزياء المتقدم بالمستوى الثالث بمعدل لا يقل عن (70%). - المسار الصناعي بمعدل لا يقل عن 80%
	B. Sc. in Electrical Engineering/ Electronics and Communication* بكالوريوس العلوم في الهندسة الكهربائية/ الإلكترونيات و الاتصالات	4	142	Advanced Stream – MOE (70%) General Stream – MOE (90%) with minimum score of (90%) in Math and Science in Grade 12, with studying a foundation course in physics. ADEC (70%) with minimum score of (70%) / Third Level in Math and Physics. Industrial Stream with minimum score of (80%). مسار متقدم - وزارة التربية و التعليم (70 %) ؛ مسار عام - وزارة التربية و التعليم (90%) مع اجتياز مواد الرياضيات والعلوم في الصف الثاني عشر بمعدل لا يقل عن (90%) مع دراسة مساق فيزياء تأهيلي في الجامعة؛ مجلس أبو ظبي للتعليم (70 %) مع اجتياز مواد الرياضيات المتقدم والفيزياء المتقدم بالمستوى الثالث بمعدل لا يقل عن (70%). -المسار الصناعي بمعدل لا يقل عن 80%
	B. Sc. in Electrical Engineering/ Power and renewable Energy * بكالوريوس العلوم في الهندسة الكهربائية/القوى والطاقة المتجددة	4	142	Advanced Stream - MOE (70%) General Stream – MOE (90%) with minimum score of (90%) in Math and Science in Grade 12, with studying a foundation course in physics. ADEC (70%) with minimum score of (70%) / Third Level in Math and Physics. Industrial Stream with minimum score of (80%). مسار متقدم - وزارة التربية و التعليم (70 %) ؛ مسار عام - وزارة التربية و التعليم (90%) مع اجتياز مواد الرياضيات والعلوم في الصف الثاني عشر بمعدل لا يقل عن (90%) مع دراسة مساق فيزياء تأهيلي في الجامعة؛ مجلس أبو ظبي للتعليم (70 %) مع اجتياز مواد الرياضيات المتقدم والفيزياء المتقدم بالمستوى الثالث بمعدل لا يقل عن (70%). -المسار الصناعي بمعدل لا يقل عن 80%

College الكلية	Specializations and degrees offered التخصصات والدرجات العلمية المطروحة	Years of Study مدة الدراسة	Total CrHrs الساعات المعتمدة	Certificate and percentage required for admission الشهادة والنسبة المطلوبة للالتحاق
	B. Sc. in Biomedical Engineering * بكالوريوس العلوم في هندسة المعدات الطبية	4	141	Advanced Stream - MOE (70%) General Stream – MOE (90%) with minimum score of (90%) in Math and Science in Grade 12, with studying a foundation course in physics. ADEC (70%) with minimum score of (70%) / Third Level in Math and Physics Industrial Stream with minimum score of (80%). مسار متقدم - وزارة التربية و التعليم (70 %) ؛ مسار عام - وزارة التربية و التعليم (90%) مع اجتياز مواد الرياضيات والعلوم في الصف الثاني عشر بمعدل لا يقل عن (90%) مع دراسة مساق فيزياء تأهيلي في الجامعة؛ مجلس أبو ظبي للتعليم (70 %) مع اجتياز مواد الرياضيات المتقدم والفيزياء المتقدم بالمستوى الثالث بمعدل لا يقل عن (70%). -المسار الصناعي بمعدل لا يقل عن 80%
	B. Sc. in Computer Engineering * بكالوريوس العلوم في هندسة الحاسوب	4	140	Advanced Stream - MOE (70%) General Stream – MOE (90%) with minimum score of (90%) in Math, Science in Grade 12, with studying a foundation course in physics. ADEC (70%) with minimum score of (70%) / Third Level in Math and Physics. مسار متقدم - وزارة التربية و التعليم (70 %) مسار عام - وزارة التربية و التعليم (90%) مع اجتياز مواد الرياضيات والعلوم في الصف الثاني عشر بمعدل لا يقل عن (90%) مع دراسة مساق فيزياء تأهيلي في الجامعة؛ مجلس أبو ظبي للتعليم (70 %) مع اجتياز مواد الرياضيات المتقدم والفيزياء المتقدم بالمستوى الثالث بمعدل لا يقل عن (70%) .
	B. Sc. in Information Systems\ Project Management * بكالوريوس العلوم في نظم المعلومات /إدارة مشاريع	4	123	Advanced Stream - MOE (60%) / General Stream – MOE (65%) / ADEC (60%) مسار متقدم - وزارة التربية و التعليم (60%) ؛ مسار عام - وزارة التربية و التعليم (65%) ؛ مجلس أبو ظبي للتعليم (60%)
	B. Sc. in Information Systems\ E-Business Management * بكالوريوس العلوم في نظم المعلومات /إدارة مشاريع إلكترونية	4	123	Advanced Stream - MOE (60%) / General Stream – MOE (65%) / ADEC (60%) مسار متقدم - وزارة التربية و التعليم (60%) ؛ مسار عام - وزارة التربية و التعليم (65%) ؛ مجلس أبو ظبي للتعليم (60%)

College الكلية	Specializations and degrees offered التخصصات والدرجات العلمية المطروحة	Years of Study مدة الدراسة	Total CrHrs الساعات المعتمدة	Certificate and percentage required for admission الشهادة والنسبة المطلوبة للالتحاق
	B. Sc. in Information Technology/ Networking and Security * بكالوريوس العلوم في تكنولوجيا المعلومات / الشبكات وأمن المعلومات	4	123	Advanced Stream - MOE (70%) General Stream – MOE (70%) with minimum score of (70%) in Math and Physics in Grade 12. ADEC (70%) with minimum score of (70%) in Math. مسار متقدم - وزارة التربية و التعليم (70 %) ؛ مسار عام - وزارة التربية و التعليم (70%) مع اجتياز مواد الرياضيات والفيزياء في الصف الثاني عشر بمعدل لا يقل عن (70%) ؛ مجلس أبو ظبي للتعليم (70 %) مع اجتياز مواد الرياضيات بمعدل لا يقل عن (70%)
	B. Sc. in Information Technology/ Databases and Web Systems * بكالوريوس العلوم في تكنولوجيا المعلومات / قواعد البيانات وأنظمة الإنترنت	4	123	Advanced Stream - MOE (70%) General Stream – MOE (70%) with minimum score of (70%) in Math and Physics in Grade 12. ADEC (70%) with minimum score of (70%) in Math. مسار متقدم - وزارة التربية و التعليم (70 %) ؛ مسار عام - وزارة التربية و التعليم (70%) مع اجتياز مواد الرياضيات والفيزياء في الصف الثاني عشر بمعدل لا يقل عن (70%) ؛ مجلس أبو ظبي للتعليم (70 %) مع اجتياز مواد الرياضيات بمعدل لا يقل عن (70%).
Architecture, Art and Design العمارة والفنون والتصميم	B. Sc. in Architectural Engineering * بكالوريوس العلوم في الهندسة المعمارية	5	170	Advanced Stream - MOE (70%) General Stream – MOE (90%) with minimum score of (90%) in Math and Science in Grade 12, with studying a foundation course in physics. ADEC (70%) with minimum score of (70%) / Third Level in Math and Physics. Industrial Stream with minimum score of (80%). مسار متقدم - وزارة التربية و التعليم (70 %) ؛ مسار عام - وزارة التربية و التعليم (90%) مع اجتياز مواد الرياضيات والعلوم في الصف الثاني عشر بمعدل لا يقل عن (90%) مع دراسة مساق فيزياء تأهيلي في الجامعة؛ مجلس أبو ظبي للتعليم (70 %) مع اجتياز مواد الرياضيات المتقدم والفيزياء المتقدم بالمستوى الثالث بمعدل لا يقل عن (70%). -المسار الصناعي بمعدل لا يقل عن 80%

College الكلية	Specializations and degrees offered التخصصات والدرجات العلمية المطروحة	Years of Study مدة الدراسة	Total CrHrs الساعات المعتمدة	Certificate and percentage required for admission الشهادة والنسبة المطلوبة للالتحاق
	B.Sc. in Building Engineering & Construction Management بكالوريوس العلوم في هندسة البناء وإدارة الإنشاءات	4	132	Advanced Stream – MOE (70%) -General Stream – MOE (90%) with minimum score of (90%) in Math and Science in Grade 12, with studying a foundation course in physics at AU. -ADEC (70%) with minimum score of (70%) / Third Level in Math and Physics. -Industrial Stream with minimum score of (80%). مسار متقدم - وزارة التربية و التعليم (70 %) ؛ مسار عام - وزارة التربية و التعليم (90%) مع اجتياز مواد الرياضيات والعلوم في الصف الثاني عشر بمعدل لا يقل عن (90%) مع دراسة مساق فيزياء تأهيلي في الجامعة؛ مجلس أبو ظبي للتعليم (70 %) مع اجتياز مواد الرياضيات المتقدم والفيزياء المتقدم بالمستوى الثالث بمعدل لا يقل عن (70%). - المسار الصناعي بمعدل لا يقل عن 80%
	Bachelor of Interior Design * بكالوريوس التصميم الداخلي	4	134	Advanced Stream - MOE / General Stream – MOE / ADEC (60%). Industrial Stream with minimum score of (60%). مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%). - المسار الصناعي بمعدل لا يقل عن 60%
Business Administration إدارة الأعمال	B. Sc. in Management * بكالوريوس العلوم في الإدارة	4	126	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)
	B. Sc. in Marketing * بكالوريوس العلوم في التسويق	4	126	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)
	B. Sc. in Finance * بكالوريوس العلوم في التمويل	4	126	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)
	B. Sc. in Accounting * بكالوريوس العلوم في المحاسبة	4	126	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)

College الكلية	Specializations and degrees offered التخصصات والدرجات العلمية المطروحة	Years of Study مدة الدراسة	Total CrHrs الساعات المعتمدة	Certificate and percentage required for admission الشهادة والنسبة المطلوبة للالتحاق
Humanities & Sciences العلوم والدراسات الإنسانية	Bachelor of Education in Teacher Training in Arabic Language and Islamic Studies بكالوريوس التربية في إعداد معلم في اللغة العربية والدراسات الإسلامية	4	132	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)
	Bachelor of Education in Teacher Training in Mathematics and Science بكالوريوس التربية في إعداد معلم في الرياضيات والعلوم	4	132	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)
	Bachelor of Education - Teaching English as a Foreign Language * بكالوريوس التربية في تدريس اللغة الإنجليزية كلغة أجنبية	4	126	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)
	B. A. in Sociology and Social Work بكالوريوس الآداب في علم الاجتماع والخدمة الاجتماعية	4	126	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)
	B. A. in Psychology بكالوريوس الآداب في علم النفس	4	126	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)
Mass Communication الإعلام	B. A. in Mass Communication/ Public Relations and Advertising بكالوريوس الآداب في الإعلام /العلاقات العامة والإعلان	4	126	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)
	B. A. in Mass Communication/ Radio and Television بكالوريوس الآداب في الإعلام /الإذاعة والتلفزيون	4	126	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)

College الكلية	Specializations and degrees offered التخصصات والدرجات العلمية المطروحة	Years of Study مدة الدراسة	Total CrHrs الساعات المعتمدة	Certificate and percentage required for admission الشهادة والنسبة المطلوبة للالتحاق
	B. A. in Mass Communication/ Print and Electronic Press بكالوريوس الآداب في الإعلام /صحافة مطبوعة وإلكترونية	4	126	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)
	B. A. in Mass Communication/ Graphic Design بكالوريوس الآداب في الإعلام /التصميم الجرافيكي	4	126	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)
Law القانون	Bachelor of Law بكالوريوس في القانون	4	132	Advanced Stream - MOE / General Stream – MOE / ADEC (60%) مسار متقدم - وزارة التربية و التعليم ؛ مسار عام - وزارة التربية و التعليم ؛ مجلس أبو ظبي للتعليم (60%)

N. B.: Students who hold agricultural, industrial, technical, commercial, vocational & religious Secondary school certificates are eligible for admission to all degree programs offered to holders of Literary secondary school certificates.

Students with a minimum overall average of 80% in technical secondary school certificate may apply for to Electrical Engineering Major and Biomedical Engineering Major. He/She will be given conditional admission.

Students with a minimum overall average of 80% in technical secondary school certificate may apply for to Architecture Engineering Major. He / She will be given conditional admission.

The student should pass the following with grade “C”:

- Introduction to Design;
- Engineering Graphics;
- Freehand Drawing;

Students with a minimum overall average of 80% in technical / commercial secondary school certificate may apply for to Interior Design Major. He / She will be given conditional admission.

The student should pass the following with grade “C”:

- Introduction to Design;
- Engineering Graphics;
- Freehand Drawing;

Minor Programs offered by the Colleges

College	Program	Eligible Students (Major Programs)
Engineering and Information Technology الهندسة وتكنلوجيا المعلومات	Electrical Engineering	Biomedical Engineering
		Computer Engineering
	Biomedical Engineering	Electrical Engineering
		Computer Engineering
	Information Systems	Any major within the University other than the College of Information Technology.
	Web Development	Any major within the University other than the College of Information Technology.
	Information Technology	Any major within the University other than the College of Information Technology.
	Computer Science	Science and Engineering majors other than majors offered by the College of Information Technology
	Networking and Security	Students of Electrical Engineering majors only.
Business Administration إدارة الأعمال	Accounting	College of Business Administration
		College of Information Technology
	Marketing	College of Business Administration
		College of Pharmacy
	Management	College of Business Administration
		College of Engineering & IT
	Finance	College of Business Administration

b. Graduate Programs

College	Degree	Total Credit Hours
Business Administration إدارة الأعمال	MBA (Human Resource Management) ماجستير إدارة الأعمال / إدارة الموارد البشرية	36
	MBA (Financial Management) ماجستير إدارة الأعمال / الإدارة المالية	36
	MBA (Marketing) ماجستير إدارة الأعمال / التسويق	36
Architecture, Art and Design لعمارة والفنون والتصميم	M.Sc. in Urban Design ماجستير العلوم في التصميم الحضري	36
Law القانون	Master of Law (Private Law) ماجستير القانون في القانون الخاص	33
	Master of Law (Public Law) ماجستير القانون في القانون العام	33
	Doctorate of Philosophy in Law دكتوراه الفلسفة في القانون	57
Dentistry طب الأسنان	M.Sc. in Restorative Dentistry ماجستير العلوم في طب الأسنان الترميمي	57
Pharmacy & Health Sciences الصيدلة والعلوم الصحية	M.Sc. in Pharmacy (Clinical Pharmacy) ماجستير العلوم في الصيدلة / الصيدلة السريرية	36
	M.Sc. in Pharmacy (Pharmaceutical Technology) ماجستير العلوم في الصيدلة / تقنيات الصيدلة	36
Humanities and Sciences العلوم والدراسات الإنسانية	Master of Arts in Arabic language and Literature/Literature and Criticism ماجستير الآداب في اللغة العربية وآدابها / اللغة وقواعد	36
	Master of Arts in Arabic language and Literature/Language and Sybtax Grammar ماجستير الآداب في اللغة العربية وآدابها / اللغة وقواعد	36
	Professional Diploma in Teaching الدبلوم المهني في التدريس	24

6 Admission and Registration

Applications for admission should be submitted Online at apply.ajman.ac.ae or to the Office of Admissions and Registration prior to the beginning of each semester. To be eligible for admission, a student must have a secondary school certificate issued in the UAE, or its equivalent as approved by the UAE Ministry of Education.

The AU Council of Academic and Scientific Affairs determines the number of students to be admitted to each degree program each semester, according to the university's available resources.

6.1. General Admission Conditions

a. Holders of UAE Secondary School Certificate:

Holders of a Secondary School Certificate (SSC), Science Section, or Advance Stream are eligible for admission in any College of the university if they satisfy the minimum score requirement for the degree program (see Table 1).

General Stream

- Holders of a Secondary School Certificate (SSC), General Stream (MOE), are eligible for admission in all colleges eligible for literary section with a minimum score of 60%.

- General Stream (MOE) are eligible for admission for the following majors if they obtain Average (90%) with minimum score of (90%) in Math and Science in Grade 12, with studying physics as a foundation course in AU:
  - B. Sc. in Electrical Engineering
    - Instrumentation and Control
    - Electronics and Communication
    - Power and Renewable Energy
  - B. Sc. in Biomedical Engineering
  - B. Sc. in Architectural Engineering
  - B. Sc. in Computer Engineering

- General Stream (MOE) are eligible for admission for the following majors if they obtain average (70%) with minimum score of (70%) in Math and Physics in Grade 12:

- B. Sc. in Information Technology/ Networking and Security
- B. Sc. in Information Technology/ Databases and Web Systems

Abu Dhabi Education Council (ADEC)

Holders of a Secondary School Certificate (SSC), ADEC, are eligible for admission in the following colleges:

- Dentistry - Average (80%) with minimum score of (80%) / Third Level in Chemistry, Biology and Physics
- Pharmacy – Average (70%) with minimum score of (70%) / Third Level in Chemistry, Biology
- Average (70%) with minimum score of (70%) / Third Level in Math and Physics, in the following Majors:
  - B. Sc. in Electrical Engineering
    - Instrumentation and Control
    - Electronics and Communication
    - Power and Renewable Energy
  - B. Sc. in Biomedical Engineering
  - B. Sc. in Architectural Engineering
  - B. Sc. in Computer Engineering

- Average (70%) with minimum score of (70%) in Math and Physics , for the following majors:
  - B. Sc. in Information Technology/ Networking and Security
  - B. Sc. in Information Technology/ Databases and Web Systems
  - Average (60%) , for the following colleges/majors:
  - College of Business Administration
  - College of Humanities & Sciences
  - College of Mass Communication
  - College of Law
  - Bachelor of Interior Design
  - B. Sc. in Information Systems\ Project Management
  - B. Sc. in Information Systems\ E-Business Management

Holders of the Secondary School Certificate, Literary Section, with a minimum score of 60 percent, are eligible for admission to all degree programs in the following colleges:

- Business Administration
- Law
- Mass Communication

They are also eligible for admission to the following programs offered by other colleges:

- Bachelor of Education/Teacher Training Program in Arabic and Islamic Studies
- Bachelor of Education in Teaching English as a Foreign Language
- B.Sc. in Information Systems/Project Management (65%)
- B.Sc. in Information Systems/E-Business Managnent (65%)
- Bachelor of Interior Design

The decision to admit a student is made on a competitive basis, taking into account the number of available places as determined by the individual college and the applicant's final secondary school examination score.

Applications made by holders of foreign secondary school certificates will be considered according to Circular No. 200, 2004, and Circular No. 123, 2005, issued by His Excellency the Minister of Education/Higher Education Affairs, UAE, as listed below:

b. Holders of Foreign Secondary School Certificates other than British System Certificates

In general, holders of the National High-school Certificate of a foreign country are eligible for admission if:

- The certificate is considered for admission in public universities of the country where it is obtained
- The certificate is awarded after at least 12 years of schooling
- The certificate includes at least six subjects covering the following four areas:
  - Mathematics
  - Sciences
  - Languages
  - Social Sciences/Humanities or Arts

Holders of High-school certificates from countries having two-level high-school certificates, must submit the certificate of the higher level.

Examples of Acceptable Foreign Certificates:

- Iranian: the Pre-University Certificate
- Indian Board(s): Senior Secondary School Certificate
- Pakistani Board(s): Higher Secondary School Certificate (Part II)
- French Baccalaureate: completion of Part II
- International Baccalaureate: completion of six subjects, with three at the higher level
- American High-school Diploma.
- West African Senior School Certificate

c. Holders of British System Certificates (IGCSE, GCSE, GCE)

A holder of a British system certificate is eligible for admission if:

- the applicant has passed seven subjects at the ordinary level of IGCSE or GCSE, with a minimum grade of C. If a subject is taken at the AS Level or A Level the required minimum score is reduced to D and E respectively
- the seven subjects must cover the following four areas: Mathematics, Science, Languages, and Humanities or Arts
- the applicant must prove that he/she has completed at least 11 years of schooling by providing the grade transcript of Grade 11 and that of Grade 12, when available
- the applicant submits his/her school leaving certificate

6.2 English Language Proficiency

Full admission to programs where the medium of instruction is English is given only to applicants with a score of at least 500 in the TOEFL (paper-based test), 61 in TOEFL (iBT), Computer Based Test (CBT) 173, EmSAT Achieve English 1100, Band 5 in IELTS (Academic), 41 in (Cambridge

English: Advanced Test of English Language), IESOL B1 or 36 in (Pearson Test of English Academic). English Proficiency scores are accepted only if they were obtained less than two years from the admission date. Institutional TOEFL score is considered only when the test is taken at an AMIDEAST UAE centre.

Students who do not satisfy the above-mentioned minimum English proficiency requirement may begin their studies with conditional admission.

During their first semester, holders of TOEFL, with a score between 450 and 499 or equivalent, will be required to enroll in the Intensive English Program (IEP) covered by the the General Education Program, until they obtain at least 500 in the TOEFL, or its equivalent.

Admitted students with a score below 450 (TOEFL) or equivalent are required to enroll in an English preparation course (lower level) at the on-campus Continuing Education Centre. However, colleges will reserve a seat for them, for one semester only, if they obtain a score of at least 450 in TOEFL or its equivalent test score at the end of the first semester of registration.

6.3 Admission on Probation

Applicants holding a high-school score below the required minimum admission score, not less than 60%, of an academic program may be admitted on probation in a program. They must sign an undertaking stating that they are aware that they will be dismissed from the program at the end of the probation period if they do not satisfy the condition(s) set by the College, such as obtaining a Grade C in a given course, or a GPA greater than or equal to 2, etc.

6.4 Re-Admission

1. New students who have missed two consecutive semesters of enrollment (excluding the summer semester) at the university shall apply for re-admission by completing the re-enrollment form available on the online registration system (ORS).In special cases as approved by the Dean and Registrar, students may enroll in the second semester without re-applying for admission.

A new university ID will be issued and the student should pay the non-refundable fee for the application.

2. Former students who have missed more than two consecutive semesters of enrollment at the university may apply for re-admission provided that they achieve the following:

- The required average in secondary school certificate.
- A valid English Proficiency Certificate with the required score.
- Availability of vacant seats in the major.
- Approval of the College Dean & Registrar.
- Repayment of all debts.

A new university ID will be issued, and the student should pay the non-refundable fee for the application. If the Dean of the previous college & the Registrar accept the student to continue in the same major, the previous courses which the student has studied will be considered if they are included in the new study plan.

N.B.:-

If the student was warned, he/she must transfer to another program providing that his/her CGPA for the courses to be transferred is 2.0 or higher.

If the student can graduate within the time allowed for completion of a degree program, re-enrollment of the student with the same ID & in the same program will be considered after the payment of the required fees.

6.5 Transfer Students from Accredited Institutions

Students from accredited institutions of higher education may apply for admission in an AU program in the same field of study if they have been of good academic standing, i.e., their Cumulative Grade Point Average (CGPA) is a least 2.0 on a scale of 4.0, or the equivalent, and if they are eligible to return to their current or formal institution (they have not been the subject of disciplinary dismissal). However, those students who have not been of good academic standing (i.e. those with a CGPA of less than 2.0 on a scale of 4.0) will be allowed to transfer only to programs in a different field from the one in which they were enrolled at the institution they previously attended.

Any transferred student is required to meet the English Language Proficiency condition (see Section 4.2).

The transfer of credited courses is considered for students who are transferring to a similar program to the one studied previously if:

- their cumulative grade point average is at least 2.0 on a scale of 4.0, or the equivalent
- the number of credit hours for the course is not less than that of the AU equivalent course
- the grade obtained on the previous course must have been at least C (2.0 on a 4.0 scale) irrespective of the course status (Satisfactory, Good,ets…….) , or the grade that corresponds to “Merit/Good” for institutions using a different grading scale
- the course content at the institution previously attended should be similar to that of the corresponding course offered at AU

If the transfer of a student with a CGPA less than 2.0 is accepted in a program within a different field of study, the transfer of credited General Education courses may be considered if points 2-4 listed above are fulfilled.

If a student meets these transfer conditions, but is unable to submit the course content that was covered previously, he/she may sit an examination set by the College after payment of a fee. The examination result will be used to determine whether the course will be transferred or not.

Only grades obtained from courses taken at AU will be taken into account in the calculation of a student’s CGPA, i.e.: grades obtained from transferred courses at the previous institution will not be taken into account in the computation of the CGPA at AU.

It is important to note that AU does not grant transfer students a degree unless they successfully complete at least 50 percent of the credit hours of the program, including the majority of the final year courses at AU.

Documents Required for Admission

- Application form, which may be obtained from the Office of Admissions and Registration or online, to be filled in by the applicant
- Equivalency certificate issued by the ministry of education UAE for the holders of non UAE high school certificate
- UAE Secondary School Certificate, or its equivalent, and grade transcript. Certified copies are acceptable

- Photocopy of valid passport & residency visa (if applicable).
- Photocopy of a valid Emirates ID Card (UAE residents only)
- Birth certificate.
- Health certificate. Medical Checkup
- Status of UAE National Service for male students.
- Valid certificate of good conduct, issued by an official body
- Six passport-sized photographs with the applicant's full name on the back of each
- If available, a certificate of proficiency in English language, e.g. TOEFL with a minimum score of 500, IELTS with a score of at least 5 or its equivalent. TOEFL with a minimum score of 450 or its equivalent for the College of Mass Communication, except for Sociology, Social Work program, and psychology.

Applications will be processed by the Office of Admissions and Registration only after the payment of application and registration fees.

6.7 Certification of Documents

Newly-admitted students are requested to have their documents certified before the end of the first semester of study; otherwise their registration will be suspended.

- Secondary school certificates obtained in the UAE must be certificated by the UAE Ministry of Education.
- Secondary certificates obtained abroad must be certificated by the Ministry of Education, and by either the Ministry of Foreign Affairs of the country of origin and the UAE embassy in that country, or by the embassy of the country which issued the certificate, and by the UAE Ministry of Foreign Affairs.

6.8 Seat Reservation

Students admitted to Medicine (MBBS Program), Dentistry, Pharmacy, Architectural Engineering, Interior Design, and Law programs are required to pay a seat reservation deposit. This deposit is non-refundable and non-transferable and must be paid before the deadline stated on the letter of admission. This deposit is deductible from the student's fee once the applicant joins Ajman University. If the student asks to defer admission to the following semester and the request is approved, the deposit will be applied to the following semester.

6.9 Course Registration for New Students

Newly-admitted students who have a TOEFL score of at least 500 or its equivalent will be allowed to register for between nine and 18 credit hours according to their study plan.

Newly-admitted students who have a TOEFL score of between 480 and 499, or its equivalent, will be allowed to register up to nine credit hours according to their study plan, subject to concurrent

registration in the Advanced Level of the Intensive English Program (nine hours per week), which is covered by the General Education Program.

Newly-admitted students who have a TOEFL score of between 450 and 479 or its equivalent will be allowed to register for up to six credit hours according to their study plan subject to concurrent registration in the Intermediate Level of the Intensive English Program (15 hours per week) which is offered by the General Education Program.

Newly-admitted students who have a TOEFL score less than 450 or its equivalent, will be allowed to register for a three-credit hours course according to their study plan subject to concurrent registration in the Lower Level of the English Program (15 hours per week) which is offered by AU Continuing Education Centre.

Load of New Students according to their TOEFL Score or its equivalent

Load of New Students according to their TOEFL Score or its equivalent									
Number of University Credit Hours Permitted	Number of IEP Hours Required	Pearson Test of English Academic	Cambridge English: Advanced Test of English Language	CBT	IELTS (Academi)	TOEFL (iBT)	TOEFL (Paper-Based)	EmSAT Achieve English	ISOL
9-18	None	36	41	173	5	61	500 or more	1100	B1
Not more than 9	9				4.5	54-60	480-499	950	
Not more than 6	15				4	45-53	450-479	825	
3	15				Below 4	Below 45	Below 450	Below 825	

Important: Students are allowed to complete at most 15 credit hours (university requirements) before fulfillment of English Language Proficiency requirement.

If the student does not achieve the 500 TOEFL score in the two semesters after his/her admission, the College Council may consider dismissal of the student from his/her program. In this case, the student may be allowed to transfer to a program taught in Arabic if he/she satisfies its admission conditions.

Once a student's selected courses have been approved by the academic advisor, and on payment of the tuition fees, the student will obtain a timetable which states the name of the courses, the schedule of classes, the name of the lecturer and the number of the classroom or the laboratory in which the course is held.

6.10 Course Registration for Continuing Students

Colleges encourage non-warned students (see Section 8.4 for an explanation of the academic warning system) to use the early registration period to select courses in consultation with their academic advisors. The early registration period is specified in the academic calendar. Warned students and students who did not benefit from the early registration can register during the registration week. See the academic calendar.

Registered AU students may take some courses outside AU provided that they obtain the prior approval of the Dean of the College. Acceptance of the transfer of external courses is conducted according to the criteria outlined in Section 6.5.

6.11 Adding and Dropping Courses

Students may add/drop courses only within the approved period. Students who add and drop courses during the approved period will not lose the fees paid for dropped courses. When adding/dropping courses, students should bear in mind that the minimum number of credit hours for which they may register is nine.

The academic calendar specifies the period allocated for dropping courses without affecting the student's academic record, but without refund of fees. The academic calendar also specifies the last date for withdrawal from a course with a "W" grade without refund of fees. In this case, the course appears in the transcript with the letter "W" with no effect on the computation of the semester Grade Point Average or the CGPA.

6.12 Study Load

A student's "study load" is the number of credit hours for which he or she is registered during the semester. For the fall and spring semesters, the study load varies from 9 to 18 credit hours, where one credit hour refers to one lecture hour or two hours of practical study per week, lasting for fifteen weeks. For summer semesters, the study load varies from three to six credit hours.

Students may increase their study load to up to twenty-one credit hours in the fall and spring semesters in the following cases:

- Dentistry students
- The student's CGPA was at least 3.6 in the preceding semester
- The student is expected to graduate at the end of the semester and his/her CGPA is at least 2.0

A student's study load is up to six credit hours in a summer semester.

The study load of academically warned students is given in Section 13.

6.13 Time Allowed for Completion of a Degree Program

The maximum time allowed for a student in which he/she may complete a degree program is a maximum of double the regular number of required semesters. In other words, a four-year bachelor degree must be completed in a maximum of 16 regular semesters of enrolment in the

program. The minimum time allowed to complete a degree for non-transfer students is a minimum of six regular semesters for four-year programs and eight regular semesters for five-year programs.

The maximum and minimum number of semesters of enrolment for transfer students is determined after the deduction of the number of earned/transferred semesters (15 credits correspond to one semester) from the above limits. Suspended semesters are not counted in the time allowed for students to complete their degree.

6.14 Suspension of Registration

The Suspension request should be applied online on the online registration system (ORS).

Newly-admitted students can suspened their study only in their first semester, and they should register courses in the next semester. Otherwise, he/she should apply for new admission.

The total number of semesters for former students that can be suspended is four. However, suspension of registration for more than two consecutive semesters is not allowed. In all cases, approval of the Office of Admissions and Registration is required.

6.15 Right to Cancel Registration

The University reserves the right to cancel an offer of admission if the applicant fails to satisfy all requirements, or if it is found that admission was obtained through the use of incomplete, falsified, altered or embellished information. In the case of withdrawal of registration from a matriculated student, credits earned at AU will be withheld and no transcript will be issued to the student.

7 Orientation Program for New Students

AU gives special attention and assistance to new students to ease the transition between life at high-school and the university. For this purpose, a special program has been designed:

a. Orientation Session

AU organizes at least six gatherings per academic year at the level of departments. These are intended to familiarize students with the program, curricula, facilities, department activities, future opportunities, etc…

Departments are required to engage the Deanship of Student Affairs (DSA) in at least one of these activities in order to provide students with more focused details about student life, clubs, student counseling, career services, etc…

Senior students trained by the DSA may as well be engaged as advisers on non-academic issues.

Academic deans are required to share their plans for student meetings or activities with the DSA.

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8 Academic Advising

Introduction

As part of its dedication to academic success, AU is committed to offering high quality academic advising in order to help students in the development and pursuit of academic objectives consistent with their life goals. Academic advising is an ongoing process that connects students to the university. We believe it is important to empower each student with knowledge, resources and skills that will lead to academic success and lifelong desire to learn inside and outside the classroom.

AU Advising Policy

AU advising policy postulates that:

a) All students shall be informed of the advising policy and advising process during the initial orientation and be directed to an appropriate advisor;
b) All students shall be assigned advisors;
c) All students on probation must be given regular advising each semester;
d) All students expected to graduate must be advised at least twice every semester of their final year;
e) Career counseling and student counseling shall be made available to all students;
f) Advising by faculty members for all new and continuing students shall be provided every semester;
g) Assessment of department advising shall be carried out every semester as a part of the whole program assessment;
h) Academic department advising shall be assessed and reviewed every year;
i) Funding and resources shall be made available to all units to ensure effective and efficient advising at all levels;
j) Training shall be provided for all advisors and peer mentors;
k) Accurate information shall be posted and maintained on the University website.

The Goals of Academic Advising

The objectives of academic advising are:

1. to help students take the right decisions in choosing an appropriate course of study that is aligned with their interests, abilities and that meets their academic and life objectives;
2. to answer questions raised by students;

3. to ensure students are aware of the consequences of their choices;
4. to ensure that all students are aware of resources, services and educational opportunities at AU that may be pertinent to the student's educational goals;
5. to provide information on university policies and procedures;
6. to facilitate the resolution of academic problems, conflicts and concerns, as appropriate;
7. to refer students, as necessary, to other resources/departments/personnel;
8. to encourage students to be creative in their academic choices;
9. to provide a forum for interaction and guidance about life and academic matters;
10. to collect data about students' needs, expectations and aspirations.

Implementation of the AU Advising Policy

University Responsibilities

a) Provide resources for continuous training of advisors and peer advisors;
b) Gather and disseminate appropriate academic advising materials to assist colleges;
c) Act as a reference service and respond to questions from colleges and departments, as well as from faculty and students;
d) Take a positive role in solving advising problems;
e) Design advising programs for new faculty;
f) Publish relevant and accurate information on academic advising in the student handbook, on the university website and other relevant publications.

Colleges and Departments Responsibilities

Faculty members shoulder the responsibility of academic advising which should be part and parcel of the education process.

Departments, colleges, and the Office of Student Affairs have to:

1. Provide students with advising whenever they need it throughout the academic year;
2. Make all relevant information known to students.

The list below shows the relevant information that should be given to students:

a. University rules, regulations, and procedures;
b. Support resources available on campus;
c. A copy of students' advising responsibilities;
d. Necessary forms and academic calendar;
e. Study plan;
f. Internship opportunities;
g. Projected course offerings by the department;
h. A standardized template for students' individual study plans; and
i. University catalogs.

3. Provide training to advisors and peer advisors in the following areas:

I. Learning principles applicable to advising including -

a. University rules, regulations, and procedures;
b. Support resources available on campus;

c. A copy of students' advising responsibilities;
d. Necessary forms and academic calendar;
e. Graduate programs at AU;
f. Training opportunity;
g. Major /program requirements;
h. Projected course offerings by the department;

II. Appropriate personal and occupational choices for their advisees
III. Academic advisors need to have up-to-date knowledge of current affairs outside AU if they are to give meaningful advice to students;
IV. Advisors must be trained to relate students' abilities to requirements of their module/course selections;
V. Technical requirements for the university requirements general education and major courses;
VI. Resources available on campus.

Advisor Responsibilities

Advisors are required to:

1. Maintain the primary advising file for each advisee. At a minimum, these files shall contain:
   a. A written record of advising session;
   b. A copy of the advisee study plan;
   c. Copies of advisee transcripts;
   d. Copies of advisee current semester timetable;
   e. A semester-by-semester graduation study plan for each advisee.
2. Listen to advisee concerns and respect their individual values and choices.
3. Understand and effectively communicate all university and college academic policies and procedures.
4. Refer advisee to appropriate resources for both academic and non-academic concerns
5. Cooperatively evaluate and assess your academic performance and areas of strength while assisting in selecting courses.
6. Encourage advisees participation in co-curricular activities.
7. Ensure that advisees are aware of opportunities and benefits available at AU.
8. Maintain confidentiality.
9. A graduation progress check sheet for each advisee.

Peer Advisor Responsibilities

AU peer advisors are continuing senior students who work primarily with students on probation. They are chosen from a select group of students and complete an interview and training process.

Peer advisors are entrusted with:

I. assisting students in choosing courses;
II. familiarizing students with academic policies and regulations;
III. showing students the resouces on campus;

IV. offering advising based on their own experience.

Peer advisors serve six purposes, as they:

I. Help new students and students in probation at AU;
II. Help advisees master basic academic processes;
III. Teach students skills for success (i.e. time management, study skills, etc);
IV. Act as referral source;
V. Offer an alternative point of view to staff/faculty advisors;
VI. Set examples of successful students.

Student Responsibilities

The advising process depends on the thoughtful participation of students. Students must assume the following responsibilities:

1. Become familiar with their advisors and advisor offices by initiating contact and seeking assistance on a regular basis through email, phone, and individual appointment.
2. Become familiar with academic policies, dates, and deadlines.
3. Come prepared and on time to meetings with their advisor.
4. Ask for clarification if the advisor fails to explain an issue or concern in a way that makes sense to the student.
5. Read all email communication from the advisor and other AU departments.
6. Inform their advisor of problems and concerns which may impact their academic performance as soon as possible.
7. Familiarize themselves with requirements for graduation and other requirements, published through different media.
8. Maintain their own advising folders and take them to every advising session. For undergraduate students, the folder should include:
   - Copies of prior university transcripts;
   - Transcripts;
   - Current semester timetable;
   - An individual study plan;
   - Previous advising notes.
9. Seek academic advising whenever it is needed.
10. Develop an individual study plan. The individual study plan must be approved by the student's appropriate advisor.
11. Be responsible for choosing their own classes on the basis of their decisions as well as the academic advice that has been given.
12. Feel free to evaluate the academic advising program and their academic advisors by filling in a feedback form.
13. Meet with their advisor on a regular basis if they are on academic warning or probation.

Peer Mentoring of Students on Probation

Students with CGPA below 2.0 are considered on probation. The advisor shall advise the student to repeat courses with low performance grades (i.e. "F" , "D", and "D^{+}") in order to improve the

CGPA. Each advisor will provide mentoring for a group of students on probation within his/her department. Mentoring includes peer mentoring, monitoring and progress reporting. The plan for helping students on probation includes:

At the beginning of each semester, a list of students on probation is requested by the Deans of Colleges from the Registrar's Office. The Deans will advise Heads of Department to draw corrective actions.

This plan is executed at the departmental level and would include:

1. Holding regular individual meetings with students on probation.
2. Advising students on probation to repeat courses with grades below "C" prior to registering for any further courses.
3. Request students on probation to visit instructors frequently during office hours.
4. Provide students on probation with peer mentoring from senior students.
5. Request students on probation to meet their peer mentor on a regular basis.

The Head of Department will request a feedback report on the performance record of each student on probation from course instructor(s). Each student's progress is monitored through special forms maintained in the Department. The Department Council will discuss the progress of students on probation in each of its regular meetings. Progress reports will be sent to the Dean.

9 Change of Major

9.1 New Students

First-semester students may apply to transfer from one major to another within the university during the add/drop period. The application is processed through the Office of Admissions and Registration provided that:

a. The applicant meets the admission requirements of the degree program to which he/she is applying
b. There is availability of seats
c. Approval of the deans of both colleges concerned is obtained, along with approval from the registrar.

9.2 Transfer between Programs

Students may transfer from one program to another within the university provided that they satisfy all condition of section 9.1 above. In addition, they must satisfy the following:

1. The preceding semester's Grade Point Average should be equivalent to that required by the new program;
2. The application for transfer should be submitted within the period specified in the academic calendar.

10 Academic Evaluation and Assessment

10.1. Course Assessment

In each registered course, a student's performance is assessed according to a procedure established by the college concerned, and explained in the course plan. The overall score is normally distributed as follows:

a. Semester tests and activities 50 percent
b. Mid-Semester examination 20 percent
c. Final examination 30 percent

The score for semester tests and activities includes marks for tests, quizzes, assignments, research and laboratory work. The pass mark in each course is sixty percent.

10.2. Grading System

The university adopts the following grading system:

Merit	Grade		Mark
	Point	Letter	
Excellent	4.0	A	From 90 to 100
Very Good (High)	3.5	B+	From 85 to 89
Very Good	3.0	B	From 80 to 84
Good (High)	2.5	C+	From 75 to 79
Good	2.0	C	From 70 to 74
Pass (High)	1.5	D+	From 65 to 69
Pass	1.0	D	From 60 to 64
Fail	0	F	Less than 60
Fail	0	XF (Academic Integrity Violation)	-

10.3. Semester Grade Point Average

The semester GPA indicates student performance during the semester, and is calculated as follows: the total of the grade point of each course taken in the semester multiplied by its credit hours, divided by the total number of credit hours registered in the semester.

For example, if a student obtains the results as set out in the table given below, his/her semester grade point average will be computed as follows: GPA =(9+6+9+12+12+6)/18 = 54/18 = 3

Subject	Credit Hours	Points	Product of Credit Hours by Point Grade
Mathematics 1	3	3	9
Statistics	3	2	6
Physics I	3	3	9
Islamic Culture	3	4	12
Arabic Language	3	4	12
Psychology	3	2	6
Total	18		54 points

10.4. Cumulative Grade Point Average

The CGPA indicates the student's average performance over all semesters up to the final or current semester. It is calculated as follows: the total of the point grade of each course taken to date, multiplied by its credit hours, divided by the total number of credit hours taken.

If a student repeats a course in which he/she obtained an "F" grade, or does so in order to improve his/her CGPA, the last grade obtained will be considered in the calculation of the CGPA regardless of whether the last grade is higher than the original one or not. However, the original grade will continue to appear in the academic record without affecting the calculation of the CGPA.

The CGPA is also used for academic probation as follows: starting from the end of the second semester of study, if the student's CGPA is less than 2.0, he/she will be regarded as an "academically-warned" student and will be requested to improve his/her academic performance to raise the CGPA to 2.0 or higher. (See Section 11 for the policy regulating the study load of warned students).

A student will not be allowed to graduate unless his/her CGPA is at least 2.0, even if he/she has passed all required courses of the program of study. In this case, and in consultation with the academic advisor, the student must repeat a number of courses of the study plan in order to raise his/her CGPA to 2.0 as a minimum.

10.5. Incomplete Grade

Attendance at the final examinations is compulsory. Failure to attend will result in the student failing the course. However, if a student does not attend the final examination due to an emergency and he/she scored at least a total mark of 30 out of 70 in coursework (tests and

midterm examination) the course may be considered as “incomplete.” Acceptable evidence for failure to attend a final examination due to an emergency consists of the following:

a. illness certified in a medical report approved by the University Clinic;
b. death certificate of a first or second degree relative;
c. arrest or summons before a court or other legal body;
d. other excuses accepted by the College Council.

In these cases the student must complete and submit a request form within the specified period in the acacdemic calendar. He/she also must present the relevant documents to the Office of Admissions and Registration. Applications will be processed only if the student has no financial obligation to the university and has paid the fee for an “incomplete request.” Applications submitted by students with a 25 percent absence warning will not be accepted.

A student whose course result is “incomplete” must take the final examination before the end of the first week of the following semester in which he/she registers, as shown in the academic calendar.

10.6. Examination Re-sits

If a student passes all but one of the courses required for graduation, and if this course is from the last semester, he/she will be allowed to re-register for that course. In this case, there is a charge of 50 percent of the course fees and the student must re-take the final examination before the beginning of the following semester.

10.7. Complaints about Grades

Complaints regarding final examination results must be lodged within a period of 15 days following the announcement of examination results. Students should complete and submit a Complaint Form online to the Office of Admissions and Registration after the payment of the required fees. The request will be transferred to the College concerned where an appropriate decision will be made. The Office of Admissions and Registration notifies students, in due course, of the outcome of their application.

11 Supervised Credit-Earning

Colleges may approve supervised credit-earning on selected courses designed for advanced undergraduates that have completed 50 percent of the required credits for graduation. The purpose of such courses is to make it possible to study all the units of a course under the supervision of a faculty member on a meeting session basis. The schedule of these meetings should not be less than 15 contact hours per semester.

The supervised work should cover all the content of the course and meet its objectives. The supervisor must ensure that the course is devoted to advancing students' knowledge and skills as required in the course outline.

Reasons why a student may wish to take a supervised study course include:

a. To adjust his/her study plan by completing a specific course which is not offered in that semester
b. To complete a course which is not offered but it is required for graduation during the final semester
c. To gain additional knowledge and practical experience in designing, conducting, analyzing and documenting coursework

A maximum of nine credit-hours of supervised study can be taken during a student's undergraduate degree program. A student may not register for more than three credit hours of supervised study per semester.

The assessment of the course will be conducted as follows:

a. Students will be required to sit for a written exam to be evaluated by the supervisor. This exam will be weighted at 20% of the final course mark;
b. At the end of the semester, students will submit a written report to the supervisor detailing the work carried out. This report will be weighted at 40% of the final course mark;
c. Students will present their work to an internal examiner who will not be the supervisor. The oral presentation will be weighted at 40% of the final course mark;

The student's final grade for the supervised study course will be determined by the student's supervisor and the internal examiner after evaluation of the student's work, written report, oral presentation and response to questions.

12 Attendance Policy

Attending classes is compulsory for all courses. A student will not be allowed to take the final examination if he/she has missed 25 percent of the classes in a given semester. Absence warning policies are set out below:

- If a student is absent for 10 percent of theoretical and practical class hours, the lecturer will issue a 10 percent absence first warning.
- If a student is absent for 20 percent of theoretical and practical class hours, the lecturer will issue a 20 percent absence second warning.
- If a student is absent for 25 percent of theoretical and practical class hours, the lecturer will issue a 25 percent absence warning and the student will receive the grade of “F.”

The Council of Academic and Scientific Affairs may consider a student’s withdrawal from the course if sufficient and convincing reason for the absence is submitted to it by the Office of Admissions and Registration.

13 Academic Probation

If a student's CGPA falls below 2.0 in any regular semester, starting from his/her second semester at the university, he/she will receive an academic warning. The Academic Advisor will notify students to submit a letter of undertaking to raise his/her CGPA to at least 2.0 in the following semester.

A student on probation must raise his/her CGPA to at least 2.0 within two semesters, not including the summer session.

The study load of warned students will be reduced, as follows:

a. First warning: a maximum of 15 credit hours of which three or six credit hours are repeated (the priority is to repeat all the courses with grade F, D or D+ then register for new courses) depending on the CGPA and the previous semester's GPA.

b. If, following the first warning, the student has still failed to raise his/her CGPA to 2.0 or higher at the end of the following semester (excluding the summer semester), the second warning will be issued.

c. Second warning: a maximum of 12 credit hours of which six or nine credit hours are repeated (the priority is to repeat all the courses with grade F, D or D+ then register the new courses) depending on the CGPA and the previous semester's GPA. Student load can be raised by 2 credits at the request of the Dean.

   If, following the second warning, the student has still failed to raise his/her CGPA to 2.0 or higher at the end of the following semester (excluding the summer semester), the third warning will be issued.

Third warning: this case will be reviewed by the College Council. The Council may take one of the following actions:

a. Transfer the student to another program provided that his/her CGPA for the courses to be transferred is 2.0 or higher
b. Allow the student to study outside the University for one academic year (this option is open only for students who can raise CGPA to 2.0). After he/she raises CGPA to 2.0 or above, the student can continue in the same major at the University.
c. Dismiss the student from the University .

14 Graduation Requirements

A student will be awarded a degree subject to fulfilling the following requirements:

d. Completion of all courses of the academic program
e. Completion of practical training as specified in the study plan
f. A CGPA of at least 2.0

The merit of the degree is determined according to the following scale:

Scaling System for Graduation

Cumulative GPA	Merit
From 3.8 to 4.0	Excellent with Honor
From 3.6 to less than 3.8	Excellent
From 3.0 to less than 3.6	Very Good
From 2.5 to less than 3.0	Good
From 2.0 to less than 2.5	Satisfactory

15 Minor

AU students are eligible to enroll for a minor while they are pursuing their major provided they fulfill the admission requirements of the minor. Also, their application for major/minor must be submitted prior to the specified deadline, which is the last day of the 12th week of the semester preceding their expected graduation semester. The approvals of both the Dean of the college offering the major and the Dean of the college where student is seeking minor are required for admission of student to the requested minor. The primary academic advisor of the student will continue to serve as advisor for both major and minor. However, the academic advisor may seek assistance and cooperation from the department or college offering the selected minor.

The completion requirements for the minor, including the prerequisites required to take the specified courses, are well defined for all minors offered by Ajman University. Students enrolled in major/minor must satisfy all the degree completion requirements of the major as well as all stated completion requirements of the minor.

The student's transcript and degree certificate will indicate both major and minor completed at the time of graduation. For graduation, the student must obtain a cumulative GPA of at least 2.0 in all subjects related to the major, as per the approved study plan, as well as a cumulative GPA of 2.0 in subjects required for the selected Minor.
The cumulative GPA of the major shall be calculated based on all courses in the approved study plan. The cumulative GPA of minor shall be determined based on the list of courses specified for successful completion of the minor. Both GPAs shall be mentioned in the transcript. Furthermore, the degree certificate shall mention the corresponding merit (Excellent, Very Good, Good, …) for major as well as minor.

16 Double Concentration and Second Bachelor's Degree

16.1 Double Concentration

AU students enrolled in a program with two or more concentrations are eligible to enroll for second concentration. Their application for double concentration must be submitted prior to the specified deadline, which is the last day of the 12th week of the semester preceding their expected graduation semester. The Dean of the college where student is enrolled shall make a decision on his/her admission to second concentration. The primary academic advisor of the student will continue to serve as advisor for both concentrations.

The student must satisfy the requirements of both concentrations. However, courses that are common in both concentrations will be completed only once. It is important that prior to starting the second concentration, the student must obtain a list of required courses for successful completion of second concentration as approved by the Dean of the college where he/she is enrolled.

The student's transcript and degree certificate will indicate both concentrations completed at the time of graduation. For graduation, the student must obtain a cumulative GPA of at least 2.0 in all subjects related to the major with first concentration as well as a cumulative GPA of 2.0 in subjects required for the second concentration.

The cumulative GPA of the major with primary concentration shall be calculated based on all courses in the approved study plan of major for primary concentration. The cumulative GPA of second concentration shall be determined based on the list of courses approved by the Dean for successful completion of the second concentration. Both GPAs shall be mentioned in the transcript. Furthermore, the degree certificate shall mention the corresponding merit (Excellent, Very Good, Good, …) for major with primary concentration as well as for second concentration.

16.2 Second Bacholar's Degree

Applicants who have earned a Bachelor's degree from Ajman University or another accredited institution, recognized by the Commission of Academic Accreditation at UAE Ministry of Education – Higher Education Affairs, may be admitted to a second Bachelor's degree provided they fulfill all admission requirements of the second Bachelor's degree. The second program must have at least 30 credit hours of unique subject-area courses. The admitted students must satisfy all degree completion requirements of the second Bachelor's degree. However, General Education courses completed during their first Bachelor's degree may be counted toward the second Bachelor's degree provided they are the same or substantially

equivalent to those required in the second degree. Similarly, students may not be required to repeat those courses in the second degree program that have nearly the same contents as in some equivalent courses in the first degree program. However, prior to starting their second degree, the student must obtain a list of required courses approved by the Dean of the college where the student is admitted for second degree.

The cumulative GPA of student shall be determined based on the list of courses approved by the Dean for successful completion of the second degree program. A cumulative GPA of 2.0 is required before graduation.

17 Student Records

Student records are kept at the Office of Admissions & Registration and contain the following documents:

a. all the documents that were submitted for admission
b. any letters of undertaking signed by the student during his/her studies
c. a copy of the updated transcript at the end of each semester
d. any requests for suspension of studies (if any)
e. clearance forms for graduates or students who have withdrawn from the University
f. The transcript delivered by any other institution from which courses were transferred along with the course description, and the approval of the College for the transfer of the course. The authentication certificate of the transcript, which was issued by the former University, is also kept on file.
g. The decision of completion of graduation requirements signed by the Dean of the College when the student completes his/her studies.

Confidentiality of the Records

a. AU considers that student records are strictly confidential and disclosure of information from student's records shall only be possible with a prior written consent from the student.
b. Transcripts and official documents will not be issued to any person other than the student unless they have a letter of authorization signed by the student and accompanied by a copy of the student's ID.
c. The Office of Admissions and Registration will assist institutions when they request information on the authenticity of a copy of the transcript or a graduation certificate.

Student Rights

Students have the right to:

a. Inspect and review information contained in their education records.
b. Request change or update of their personal data.

18 Information Technology and Learning Resources

18.1 Information Technology

Introduction

Ajman University (AU) provides computing, networking, information and telecommunication resources to the university community to support teaching, research, and efficient administrative processes. Access to Information Technology resources is granted to members of the university community who are enrolled students, employees, or academic staff members. The authorized Office for running these resources is the Office of IT.

Mission

Providing efficient and current IT services to all university users (faculty, students, and staff) in order to fully support their teaching, research, and administrative activities.

Objectives

The objectives of the Office of IT are to:

a. Provide robust IT physical and logical infrastructure, maintain WAN and LAN nodes, and perform administrative operations to keep IT services available 24/7 to users.
b. Provide prompt and accurate technical assistance from knowledgeable staff, and to listen carefully to users' requests and feedback.
c. Develop database systems, maintain university-wide database applications, and give full support to the Application users.
d. Create, maintain and enhance University and related websites, and to develop integrated application to enhance users' web browsing experience.
e. Perform RND to recommend new technologies.
f. Protect AU IT assets.
g. Ensure that the use of IT resources is primarily for university purposes and university-related activities.
h. Maintain the integrity and security of the university's computing facilities.

Services

- Help Desk
- Network Account
- Email
- Internet
- WiFi
- Online Registration
- E-Learning Management System
- Maintenance and Replacement of Computing and Network Resources for Educational Facilities and to AU Staff.

AU IT Facilities

IT facilities at AU are maintained by the Office of Information Technology, located on the ground floor, Block A, Jurf 2. It is the responsibility of all users of the computer system to notify the Office of IT of violations of laws and university policies in connection with the use of computers, as well as of potential loopholes in the security of the computer system. Any concerns, complaints, or reports of misconduct with regard to the computer system should be reported to the director of IT on 7056500 or email helpdesk@ajman.ac.ae.

Network Accounts

Accounts are intended to be personal. The individual to whom the account has been created is responsible for ensuring that his/her username and password remain confidential. No one is allowed to use another person's username and password.

User Account :

All freshmen students should receive an identification letter by email with their password/user account details and how to use it after two (2) working days before the Registration starting date or one (1) working day from the admission approval, in the case of students who have been admitted during the registration period.

All registered students should have passwords/user accounts.

The password/user account will remain active for the duration of a student's course. The email account will remain active for life.

Students who, for a reason or another, lose their passwords will be required to pay AED 15 for a password reset.

Students can use their user account to access all the below AU web services:

- Computer labs.
- WiFi
- Email
- E-Learning Management System (Moodle)
- Online Registration System (ORS)

Electronic Communications:

Email

AU has established e-mail as a primary vehicle for official communication with students. All university communications via email will be sent to this address. Faculty members will use the official university e-mail address to communicate with a student registered in their classes and administrative units will correspond with students via this address. The University expects that students will receive and read e-mail in a timely manner. Students are expected to maintain their accounts and check their e-mail. A student is obliged to check university e-mail and act upon content.

E-Learning Management System:

AU adopts an E-Learning Management System (Moodle) to enhance the teaching and learning process. It is a web-based application that allow instructors to deliver content and resources to students and manage their delivery. It provides easy ways for instructors to create and deliver their course content, communicate with students, and assess student performance.

Students will be enrolled in all their courses automatically as the moodle system is integrated with the registration system.

Improper use of the computer system is prohibited:

The Office of Information Technology (IT) is neither an investigative nor a disciplinary entity in its primary responsibilities. However, in cases where university resources and privileges are abused or otherwise threatened, the Office may be asked to take appropriate action. Immediate revocation of access and subsequent prosecution by the authorities, for example, might be directed. Such revocation may be appealed to the IT committee.

To summarize, access to University computing and communications equipment and facilities may be revoked for reasons including, but not limited to:

a. Attacking the security of the system;
b. Modifying or divulging private information such as file or mail contents of other users without their consent;
c. Misusing or abusing Internet/Network by using Internet tools or software that may affect the performance of the Internet/Network
d. Modifying or destroying university data.
e. Using the networks/Internet in a manner contrary to the established guidelines;

Finally, users may not read sensitive information simply because it is accessible to them - because of accidental exposure and/or through the malice of others who have broken into a system or are misusing their access privileges. When sensitive information is recognized as such, it should not be examined further, but reported to the keeper of the materials, if known, or otherwise reported to management.

Computer Labs

Computer labs operated by the Office of IT are a shared University resource available on a first-come, first-served basis. Food and beverages are prohibited in these labs. Labs may be reserved

for exclusive use by a class or group. Some labs are provided by Colleges, not the Office of IT; contact those Colleges for their additional usage guidelines.

Terms and Conditions of using IT services

a. The Office of IT considers all temporary and permanent connections via the University network, to be subject to the provisions of this policy.
b. Computing resources not owned or approved by AU may not be connected to the University's network.
c. The Office of IT has the right to monitor the traffic of all transmissions on networks maintained by the Office at all times.
d. Operating systems currently supported (for the desktop) include Windows OS (Windows 8 and above) and Apple OS (7 and above). There are special requirements for Unix workstations in the College of Engineering and IT. Upgrading will take place in a controlled manner.
e. Software and hardware to be installed should be requested by the Dean or Director and it may not be installed or connected to the university systems without the approval of the IT Committee. This includes the data and telephone networks.
f. All university affiliates (faculty, staff & students) are permitted to use the university network and selected computing resources at all times while the network is available.
g. IDF/MDF rooms are under the authority and responsibility of the Office of IT. Everyone within the AU Network community who uses university computing and communications facilities has the responsibility to use them in an ethical, professional and legal manner.
h. Violations of information technology Policies & Procedures typically result in university disciplinary action, which may have serious consequences, and in some cases, may result in legal action.

Data Backup

It is the responsibility of students to have a backup of their data and coursework on a personal data storage medium (such as External Hard Disks, USB flash drives or CD/DVD disks). Students may also backup on the cloud using the provided storage with the email service (50 GB on OneDrive).

Internet Services.

Students may access the Internet through computers in university computer labs and through personal laptops connected to the university's Wi-Fi provided in designated locations.

Student access to the Internet conforms to the laws of the United Arab Emirates, including the monitoring and filtering of Internet content. Any attempt to circumvent or disable Internet access controls set by the University or the government of the UAE is a violation of university policy and will result in disciplinary action.

18.2 Library & Learning Resources Center

The literature relating to library and information science states that the effectiveness of the organization and its various activities cannot be determined without a statement of goals and objectives because, by definition, effectiveness is the degree to which a library accomplishes its stated objectives. The Association of College and Research Libraries (ACRL) Standards, published in June 2004, anticipates that the mission, goals and objectives of a college library should support the mission of the parent institution and should be spelled out clearly so as to serve as a framework for its activities. Outcome assessment measures take into consideration the library's dependence on technology, its increasing use of online services, its provision of information literacy skills and the budgetary split between print and electronic resources. The ACRL Standards require goals to be compatible and consistent with those developed by the institution. Assessment of the quality and effectiveness of the library should be linked closely with the specific mission and goals of the institution. The Information Resources Center should be involved in the overall planning process. These planning methods require input from a broad spectrum of the institution's community. Strategic planning that includes evaluation, updating, and refinement, provides an overall direction that helps to guide day-to-day activities and decisions.

Mission

The mission of the AU Library and Learning Resources Center is to support the University mission in identifying, organizing, preserving and offering accessible resources which serve the needs of college members, students and the community at large. In addition, the library seeks to locate, acquire, organize and select the most appropriate material and make it accessible to users. It is also the mission of the library to build a comprehensive, balanced library collection and provide a good environment for reading, learning and research.

The upgrading and preserving of the library's information technology infrastructure to ensure prompt access to information and information services are also among the AU library mission priorities.

Goals and Objectives

The goals and objectives of AU library and LRC are to:

a. Provide current library materials and databases that support the academic curriculum
b. Provide access to information resources, regardless of location
c. Collect library materials in all formats, broaden and update all collections to meet the needs of AU programs and support the various aspects of the institution: teaching, training, research and services
d. Educate and assist faculty, students and staff in the identification and effective use of information resources
e. Continue to strengthen and update all collections to meet the needs of AU programs
f. Preserve AU collections and materials, and maintain and upgrade physical and technological infrastructure to enhance the quality of services

g. Recognize that a minimum acceptable standard is one resource per topic per student
h. Meet accreditation standards
i. Provide access to library resources and servers via web pages and online resources
j. Ensure that resources available are current, appropriate and accessible 24/7
k. Work closely with users; know their needs and interests
l. Put into practice the motto that building library resources is a continuous process
m. Enhance information literacy, especially in the student community, by developing effective plans aiming at improving student ability to:
    1. Access information effectively and efficiently
    2. Evaluate information and its sources critically
    3. Understand economic, legal and social issues when using information
    4. Access and use information critically and legally

19 Health Clinics

Mission

The University Health Clinics seek to complement the academic mission of AU and are dedicated to providing educational, supportive, consultative healthcare services to students, staff, faculty and eligible dependants. In doing so, the Health Clinics strive to make the campus a healthy and safe place to study, work and live.

Objectives

The objectives of the University Health Clinics are to:

1. Provide primary healthcare to students, college, staff and eligible dependants
2. Provide emergency healthcare to Residential Hall and campus residents after working hours and at weekends and on holidays
3. Support the integration of university services and provide a healthy atmosphere to accomplish the university objective of a disease-free community
4. Provide high quality integrated health services in a timely manner to generate complete customer satisfaction

Services

The Medical Services Administration provides the following primary healthcare, within available capabilities, through its clinics:

a. Round-the-clock services for males and females
b. General Clinics: primary healthcare, treatment, preventative medicine and health education on common diseases through the general practitioners to the university community
c. Nursing: comprehensive nursing care and services, including routine and emergency cases, recording patient details and providing treatment
d. Reception: receiving patients, preparing the patient files and records, recording personal data, preparing daily, monthly and annual statistics
e. Medical Lab: carrying out medical tests and running tests referred from university physicians for nominal fees
f. Referral System: referring urgent cases to hospital specialists
g. Following up chronic cases and coordinating referrals to hospital specialists if necessary
h. Carrying out medical checkups for new students

20 Safety

The university has taken measures to ensure the safety of all present on its campus. Although it has appointed a Safety Officer and Safety Coordinators throughout its units and Offices and has established a policy on safety and health hazards, it expects all its personnel and students to act in a safe and proper manner to minimize risks.

All students are asked to:

- observe all relevant safety rules and instructions issued by the University;
- follow all the instructions and rules related to the safe use of space, such as labs, classes, workshops, sport facilities, hall of residence, etc;
- familiarize themselves with procedures, emergency exits, and emergency contacts;
- avoid any improper action or behavior which could be hazardous;
- report any accident or a near accident experienced on campus;
- report any significant hazard you discover on campus.

Safety notices, contact emergency numbers and first aid boxes are located in appropriate locations. Notices are also displayed for emergency exit routes and assembly points in the event of fire. Students are required not to tamper with these.

In case of fire or emergency evacuation, everyone is expected to act responsibly and not to endanger the lives of others. All should adhere to announced procedures.

Any person who, for whatever reason, because of impairment (for example requiring assistance to evacuate a building during an emergency situation) should inform the relevant safety personnel or the Office of Student Affairs of his/her needs at the beginning of his/her enrolment.

Safety Procedures for Labs

Students are expected to manipulate instruments, equipment and materials that are potentially hazardous. Students are required to read safety lab manuals (associated with all labs). Students shall not be allowed to participate in a lab unless they have demonstrated a clear understanding of the safety procedures involved. Students should not work alone in a lab in case of an accident or medical emergency. Inattention or disruptive behavior will not be tolerated in any lab. Repeated cases will be referred for disciplinary action. Equipment, tools and materials must be handled in a manner that is safe for the student as well as for other students and the instructor.

Safety arrangements are reviewed on a regular basis. Suggestions for improving these procedures are welcome. Students should contact the following numbers in an emergency.

Jerf1 067056204 - Jerf2 067056530

21 Deanship of Student Affairs

The Deanship of Student Affairs (DSA) is responsible for those aspects of student life which extend beyond the classroom. The DSA is committed to encouraging the personal development and growth of students through the organization of a variety of co- and extra-curricular activities, which include cultural, social, sporting and entertainment programs. In addition, the DSA is responsible for the provision of a variety of services.

The DSA comprises two divisions:

21.1 Student Counseling Unit

Student Counseling is dedicated to helping students address personal or emotional problems that hinder them in achieving a fully beneficial experience at AU and realizing their full academic and personal potential. Student Counseling Services utilize a service system that emphasizes trust, respect, confidentiality, and compassion. Its overall goal is to maximize student success by attending to any emotional or personal needs which may impede learning. Through personal counseling, students learn to take charge of their lives, acquire skills necessary for adjusting to the demands of university life, and overcome difficulties that may prevent them from meeting their academic and career goals.

Student Counseling Policy

Purpose:

The purpose of this policy is to establish guidelines for student counseling.

Policy:

AU offers quality services to students. To maintain high standards and fully address the personal growth, psychological needs, and emotional wellbeing of students, AU provides student counseling services. The Student Counselor makes assessment and provides individuals, and groups, experiencing personal problems with support and guidance and assists them in overcoming obstacles to their educational success.

Personal Counseling:

a. Refers to one-on-one counseling with each student on a regularly basis. Students are seen for a multitude of issues that range from typical developmental challenges to more serious adjustment and mental health issues.

b. Listening to student complaints, working to find solutions, and informing parents about the academic status of their sons and daughters

Group Counseling

Group interventions entail working with a small number of students who share similar concerns and treatment goals. Group counseling addresses either general or specific issues. This form of counseling facilitates the healthy exchange of experiences, provision of sympathy and support and the development of skills necessary for effective coping and problem solving.

Procedures

Eligibility

Counseling services are available to all currently enrolled, graduate, and undergraduate students. There is no fee required from students to utilize this one-to-one counseling service provided by the Student Counseling Service.

Confidentiality

Any communication between a student and a counselor is considered confidential. The confidentiality of the counseling sessions is protected. No student records are released to others (even within the university community) without the written consent of the student. If it becomes clear in the counseling session that there is a real danger to oneself or to others, the counselor is required to inform the Dean of Student Affairs, to a parent or someone close to the student. The confidentiality rule does not apply in this case, but should go no further than the persons mentioned.

Access

Students are encouraged to make an appointment with a personal counselor to discuss their concerns. A personal counselor is available on campus.

Referrals

The Student Counselor provides referrals to qualified psychologists, psychiatrists and therapists equipped to aid students with psychological problems, learning disabilities, and/or other serious issues. If the referred student would like to maintain the involvement of the personal counselor, the counselor may request a copy of the report of the external visit and may follow up with the therapist regarding the student's treatment.

21.2 Student Activities Unit

Under the sponsorship of the DSA, this unit organizes many activities that span a wide range of interests, covering social issues, culture, art and sport. It also acts as the central support for the numerous student societies. This Unit provides and organizes the following social, cultural, art and athletics activities:

1. Social Activities

These activities aim at widening and promoting the social aspects of the students' personality, thus activating and developing their role in building society and its social institutions. These activities also aim at training students in group and voluntary work. Moreover, there are several other social services and activities offered by the social division throughout the academic year such as:

a. Receiving new students and their parents and finding solutions for the difficulties students may face at the beginning of their academic life
b. Arranging and supervising meetings at which students are able to get to know each other, thus breaking down the psychological barriers between senior and new students and familiarizing them with the university setting
c. Promoting social awareness among students is done through a number of activities which include raising money for a variety of charitable causes and visiting institutions - for example, orphanages
d. Organizing activities during the holy month of Ramadan, which include Iftar, conferences, religious lectures, competitions, financial donations and other charitable deeds. Competitions in the recitation and memorization of the Holy Quran are also arranged
e. Arranging social and educational activities, for example visits to cultural landmarks, scientific exhibitions and entertainment centers, and exchanging visits with scientific, teaching and social institutions
f. Cooperating with UAE institutions and authorities in health-awareness campaigns on subjects such as illegal drugs and smoking
g. Organizing blood donation campaigns in cooperation with the Ministry of Health, and taking part in campaigns and celebrations organized by formal authorities, such as the Civil Defense and Traffic Week Festivals
h. Running training courses, such as first-aid and personality development
i. Supporting social activities that aim to develop students' personalities and consolidate their relationship with local values and morals

2. Cultural Activities

The DSA organizes a series of intellectual and cultural activities throughout the academic year. These activities aim at stimulating and enriching both intellectual and cultural aspects of students' personalities. They also contribute positively to building a solid intellectual and cultural background, and help students distinguish between constructive and destructive thinking in their campus life.

Cultural activities organized by this division include the following:

a. Organizing intellectual and cultural lectures and conferences featuring experts from within and outside the university
b. Running cultural, intellectual, literary and scientific competitions, and awarding prizes and certificates for distinguished projects such as short stories, literary articles, scientific research and poetry competitions, with the aim of promoting student creativity

c. Organizing poetry readings, seminars, discussion forums and exhibitions of student work
d. Encouraging students to write articles for publication in the University Magazine
e. Participating in cultural, intellectual and scientific competitions organized by educational, literary and scientific institutions in the UAE

3. Art Activities

The DSA is keen in promote the aesthetic and artistic aspects of student life and seeks to further develop these. Throughout the year this division arranges participation in the following activities:

a. Presentation of student work, such as drawings, sculpture, calligraphy, art, zincography and photography, in magazines. Exhibitions of student artwork, which provides excellent motivation for talented students
b. Art competitions among talented students in a variety of fields
c. Art competitions held in the UAE
d. The design of wall magazines featuring students' written and artistic work, exhibited in university halls and corridors

4. Sport Activities

Sport activities play an important role in promoting the physical and intellectual development of students.

Sport enables participants to build their physical wellbeing through exercise and is an important element in the development of personal and psychological balance. As an important part of the strategy and vision of AU, the university has a wide range of sporting facilities. These include playing fields for football, handball, basketball and volleyball. In addition, the gymnasium is equipped for a variety of sports and there are further facilities for chess, billiards, tennis, etc.

The division also organizes sporting events and participates in many indoor and outdoor athletic championships, such as:

a. Inter-college teams
b. Forming university sports teams and regular training sessions
c. Participating with universities and colleges from across the UAE in championships and sporting competitions organized by the Higher Education Sports Federation
d. Promoting health and fitness through body-fitness programs and courses in track and field sports, games and swimming
e. Ensuring that the university sports facilities and equipment are updated
f. Ensuring that safety standards are upheld

21.3 Students Role in Institutional Decision Making

Ajman University considers its students to be an important element of its operations and events and values their opinions and suggestions. Students can submit their written

concerns/suggestions to the Dean of Student Affairs, the Vice-Chancellor or to the Chancellor via the appropriate channels.

21.4 Student Council

Student Councils represents the voice of the students and provide leadership in assisting and organizing activities for all students. There are opportunities for any student to serve as a member of the Council. Those interested in being considered for membership on the Student Council, should apply to the Deanship of Students Affairs.

AU recognizes two single-gender student councils for male and female students. Each student council consists of 15 members, where (10) members are nominated by schools and colleges while the rest (5) members are chosen through campus-wide elections. The Student Council mission is to represent the students and give them the opportunity to communicate their views and concerns. It provides resources for the various student organizations and clubs, offering guidance and support in an attempt to build a generation that is established on the notions of teamwork, dedication and responsibility.

Council Election

Article 1: One-third of Student Council members (i.e. five members) shall be elected through a direct general election by means of a secret ballot.

Article 2: Any candidate running for Student Council (SC) membership shall satisfy the following conditions:

1. Be a regular student of AU;
2. Be not younger than 18 years of age;
3. Be of good conduct and sound reputation;
4. Must not have been convicted of any felony or misdemeanor involving moral turpitude or dishonesty, unless he/she has been rehabilitated.

Article 3: The DSA Student Council Elections Committee shall be formed and charged with the following responsibilities:

1. Setting a timeframe for submitting candidatures;
2. Receiving candidatures form interested students;
3. Reviewing candidatures to ensure that all conditions are satisfied;
4. Considering and adjudicating appeals filed by or against any candidates;
5. Publicizing the list of candidates and post it on the announcement boards of each college;
6. Receiving and adjudicating objections lodged against any candidates;
7. Establishing rules and procedures for constituting the electorate;
8. Fixing the election date and announce the method of voting;
9. Overseeing the election process.

Article 4: - The Student Council Campaigns and Elections are held electronically. The Voter needs to visit the e-vote link on the day of the election to select the nominee of her/his choice.

The results are then generated also electronically and announced by DSA Officials on the second day. After that, two Councils are formed (male and female) of 15 members each. A meeting to decide the distribution of roles within the Council in conducted in the presence of DSA representatives.

Article 5: Candidates shall have the right to conduct pre-election campaigns in accordance with such regulations as are promulgated by the Committee.

Article 6: The rules and procedures of Student Council election shall be as follows:

1. Voting shall start at 8:00 a.m. on the day of election;
2. Voters shall use their usernames and passwords to sign into e-vote where they can cast one votes only.

Article 7: Supplementary elections shall be held on the second day in case of parity of votes between two or more candidates, which raises the number of winners above five.

Article 8: In all cases, if the supplementary elections result in another tied vote, the Committee shall resort to a drawing of lots among the tied candidates to fill in the required seats.

Article 9: - In case any of the nominated candidate is unable to join the SC, priority will be given to the nominated candidate over five according to the rank.

Article 10: The Committee shall receive election appeals within 48 hours of the announcement of results. The Committee shall consider and adjudicate such appeals within a period that shall not exceed 48 hours from the date of receipt of each appeal, and the Committee's decision on this matter shall be final.

Article 11: In its first session, the Student Council shall elect by an absolute majority of its members the Council Chairman and Vice-Chairman from among the members of the Council who are nationals of the United Arab Emirates. The session shall be chaired by the oldest member of the Council.

21.5 Student Societies

A student society is a body elected by AU students; society activities are supported by the DSA. There are also academic societies in each college. The goals of these societies are to:

a. Encourage student participation in a variety of activities
b. Promote the spirit of cooperation among students, and encourage them to take on responsibility
c. Provide support to new students by advising them and helping them in their new academic life
d. Obtain student input regarding needs and wishes, and pass the information obtained to the DSA
e. Act as a liaison between students and DSA supervisors
f. Meet with DSA members on a regular basis

g. Arrange for “acquaintance” meetings among students in order to break down the barrier between new students and the new academic society
h. Promote study ethics among students and encourage them to abide by the rules and regulations of the university
i. Urge students to abide by the morals, principles and doctrines required by Islam

In line with the vision and philosophy of the AU, the DSA arranges a series of developmental, educational and cultural courses for student leaders, with the aim of improving their performance and developing their leadership skills.

Student societies supported by the DSA

1. Social Society : The Social Society is concerned with the social and human aspects of student life. It seeks to develop the relationship between students, the university and the community. The Social Society supports morality and promotes welfare work. The society also participates in social activities organized by the DSA.

2. Cultural Society: The Cultural Society is concerned with the intellectual, cultural, and literary life of students. It aims to promote students’ talents through performances, exhibitions and participation in cultural activities, for example reading intellectual and literary publications and writing.

3. Arts Society: This society seeks to develop the talents of students who are artistically inclined (e.g., in drawing, photography, art, etc.). It also arranges art exhibitions and conducts training courses in drawing and other forms of creative activities. Members of the society also participate in external exhibitions.

4. Athletic Society: This society seeks to improve students’ athletic skills. It participates in organizing competitions, encourages students to take part in athletic activities and conducts training courses to improve stamina. The society also supports the DSA in athletic activities.

21.6 Student Media

The university has varied media channels which reflect its noble mission and ensure effective communication with its population. Also these channels are used for training its students in a professional and credible manner. This is actually done under the supervision of highly qualified faculty who are members of the college of Mass Communication. Among these important channels are the following.

1. **Television:** The university possesses a cutting-edge and well-equipped television studio for training the media students in the different stages of television journalism. At the same time, it is used for internal transmission within the university.

2. **Radio:** This channel is also available to AU students through which they transmit its programs via the Internet under the supervision of the college of Mass Communication.

3. **Publications:** AU students issue a number of publications such as the university magazine, the newspaper, Afaq in addition to news bulletins related to the university colleges. Some of these are periodic and others to celebrate certain events.

4. **Social Media :** The university webpage is very informative on matters related to the university and students. Moreover, the university has a device related homepage and dynamic pages on social media: Facebook, Twitter, Utube. Colleges have their own homepages.

22 Student Services

The DSA is responsible for monitoring the student services offered by AU and service providers working within it – for example accommodation, transportation and health care services. It seeks feedback from students regarding the effectiveness of these services and uses it to inform decisions regarding the improvement of these services.

1. Accommodation

In line with its vision, AU is eager to ensure the success of the education it provides. Student accommodation is therefore given high priority, as it plays a key role in student wellbeing and can have a positive impact on academic performance. For this reason, an independent organization has been founded which is concerned with every aspect of life in the student accommodation, for example matters of comfort, the provision of three meals daily, the mini-market, health club, internet, etc. These services are offered at very low prices.

In addition, the organization offers additional free facilities, for example electricity and water, study rooms, libraries and newspapers.

a. Well-designed rooms equipped with appropriate facilities such as furniture, refrigerators, AC, etc.

b. Continuous supervision (day and night) by qualified supervisors (both male and female)

c. Comfortable transportation between the accommodation and the university. Transportation is also provided for shopping trips and visits

   Student conduct in Residential Halls is subject to certain regulations

d. Security - all residential halls are protected by security staff patrols

e. Curfew - staff monitor attendance records regularly for absences. Repeated violation of attendance regulations may result in dismissal from the residential hall for one or more semesters.

f. Smoking - male students are allowed to smoke out of doors and in their rooms. However, smoking in common areas is strictly prohibited

g. Littering - all students are expected to maintain cleanliness inside the halls. Rooms are inspected periodically for cleanliness.

h. Alcohol/Illegal Drugs – the use of alcohol or illegal drugs is strictly prohibited on campus. Students found in violation of this regulation will face severe disciplinary consequences

i. Housekeeping – student rooms are cleaned at least once a week, and all common areas are cleaned daily

j. Dorm Leave - all resident students are expected to sleep in their residential hall every night, except during official dorm closing periods or upon verification with residential hall staff by parents/guardians

To conclude, the DSA is eager to promote the quality of life in the residential halls. The Director pays regular visits, meeting students and listening to their suggestions and complaints. The DSA also receives regular reports from advisors concerning conditions in the halls and takes action as necessary.

2. Transportation

The transportation Unit is responsible for ferrying students between the residential halls and the university. The Unit has many buses which make more than fifty trips daily.

This Unit also provides students with transport to activities outside the university, for example visits to scientific and entertainment venues, lectures or conferences. Two buses are kept on standby round the clock to cover emergency requirements.

The transportation Unit has defined the regulations governing the use of its buses and the fees student pay in order to ensure the systematic and good quality services. These regulations are distributed to student who opt for making use of this facility.

The DSA's role in student transportation is to:

a. Coordinate the transportation of students to participate in various activities
b. Elicit student views concerning the transportation services offered
c. Solve student problems with the cooperation of advisors, who keep the DSA informed of recent developments
d. Improve the organizational performance in order to achieve high standards of services

3. SMART Superstore

Retail outlets on all campuses meet student needs for stationery, books in Arabic and other languages, software facilities, photocopying, printing and binding. Students may also purchase prescribed textbooks for all fields of specialization at low prices. The DSA monitors the services and coordinates with the supervisors of SMART Superstore to solve any problems that may arise. The Unit makes every effort to ensure that books are delivered promptly.

4. Other Services

The Office of University Facilities is responsible for examining the standard of other student services, for example restaurants, mosques, maintenance, cleanliness and security on campuses. With regards to restaurants, the DSA ensures that they are operating in accordance with required health standards. Mosques are kept clean and safe. The Office of University Facilities also checks the cleanliness and maintenance of lecture halls and deals with any problems that may arise. It also coordinates with the university's security staff to ensure appropriate handling of any problems. Finally, the Office of University Facilities designs questionnaires to assess the standard of services provided and recommends improvements

22.1 Cafeterias & Restaurants

The university provides cafeterias and restaurants on each campus, offering a variety of meals and beverages. Separate areas are provided for men and women students. Women students living in university hostels have a private cafeteria in the hostel building. Prices are set according to the choice of meals and are kept at a reasonable level.

22.2 Bookshops

A bookshop on each campus sells books and stationery and provides photocopying services.

22.3 Mosques

The university has conveniently-located mosques and prayer rooms with facilities for male and female students on each campus.

22.4 Shops

There are shops on each campus and in student hostels to supply everyday items. Weekday and weekend opening hours are displayed on the shop fronts.

23 The Career Counseling Center

Mission

The Career Counseling Center endeavors to serve AU students and alumni by educating them to successfully identify, plan and pursue their career goals. The center supports the mission of the university in its three dimensions - education, information and investment - by providing quality services which will enhance clients' employment potential, and by liaising with prospective employers. To achieve its mission, the Center is assisted by AU Alumni Association, a non-profit organization which aims to enhance interaction between alumni, students, the university and the community.

Objectives

The Career Counseling Center aims to:

1. Help new students to select courses appropriate to their career interests and aspirations
2. Help students and graduates in decision-making, goal setting and planning for their careers
3. Offer guidance to students and graduates regarding the skills necessary to meet evolving job requirements
4. Help students and graduates acquire effective job search skills
5. Signpost students and graduates to job search resources
6. Provide AU with job-market information to aid academic planning
7. Seek recruitment, internship and voluntary or part-time opportunities for students and graduates through liaison with businesses, governmental bodies and organizations
8. Establish a plan for assessing the performance of career services and activities
9. Establish and foster lifelong professional and personal relationships between the university and its alumni
10. Promote communication between alumni, and between alumni and the university
11. Promote the Alumni Association within the university and engender goodwill, understanding and support for the university in the wider community
12. Offer alumni opportunity to contribute to and participate in the university's decision-making processes
13. Establish fundraising mechanisms for the Alumni Association

Services

The work of the Career Counseling Center includes: Organizing:

- Career days
- Social and cultural events
- Alumni clubs and forums

Providing services

- Career guidance
- Group and individual counseling
- Employability skills development
- Psychometric tests
- Informing:
- Posting job advertisements electronically and on campus notice boards
- Employer portal
- Job seeker portal
- Classified jobs

Registration Process: students must register with the CCC in order to receive job notifications and event invitations.

24 Training Center

Mission

The Training Center seeks to support the strategic vision of the university by bridging the gap between the academic realm, the community and the employment market. It strives to achieve this aim through three strategies: student training, staff training and community training. In doing so the center applies scientific criteria in the selection of trainers, programs and performance assessment.

Objectives

The Training Center's short-term objectives:

14. Student Training: to seek suitable credited-hour training opportunities for students in various public and private organizations, as part of their study plan

The Training Center's long-term objectives

a. Continuing learning, training and rehabilitation: to lead training development programs for college members and staff in areas such as teaching and learning methodology, computer skills, research methods, languages, management and technical skills

b. Community training: to play an active role in developing community programs through symposia and seminars on rehabilitation, development and the upgrade of worker skills and capacities

c. Promoting training and learning through the use of modern technology

Continuing Education Center

The Continuing Education Center (CEC) was founded in response to the market's mounting need for excellence. We specialize in preparing both men and women for rewarding careers in various businesses and environments. We are well aware that students come to CEC with a variety of academic experiences and backgrounds; hence, every effort is made by the administration and staff to integrate these experiences with the requirements of the work requisite. The long-term growth and success of our Center relies heavily on its aptitude to attract and retain qualified and keen staff and to maintain being a zenith in what it does best: continuing education.

The CEC also prepares students to work effectively by developing essential competencies in a reflective, learner-centered teaching milieu. This method is implemented through an academic curriculum that incorporates field-based practice, reflection and application.

a. Courses offered TOEFL Courses TOEIC Courses ICDL Courses CCNA Courses
b. Business English Courses, English Level I Courses, English Level II Courses, Management Courses, etc.
c. IT Courses
d. Web Design and Graphics Courses
e. Soft Skills Courses (Customer Service, Leadership, Business Etiquette, Communication Skills)

25 Student ID Card

Students will receive a university ID card containing their photograph, name, date of birth and AU ID number. The ID card should be carried at all times. It provides access to certain academic buildings and hostels. In addition, the card is required for admission to sports facilities, to sit university exams and to make use of computer facilities.

The loss of an ID card should be reported immediately to the Office of Admissions and Registration. Fraudulent use of an ID card shall result in disciplinary action.

26 AU Rules and Policies

26.1. Student Rights and Responsibilities

Student Rights

- Every student enjoys all rights and freedoms recognized within the University by the Laws of the United Arab Emirates as long as this does not violate the Code of Student Conduct.
- Every student has the right to fair equal treatment by the University. A student has a right to be free from discrimination based on ethnicity, color, religion, gender, marital status, nationality, language, or personal handicap. However, a distinction, exclusion, or preference based on relevant academic or physical aptitudes required and made in good faith is considered to be non-discriminatory.
- All students have the right to have an environment supportive of the University's mission and their own educational goals.
- Students can function in their daily activities safely and easily.
- The university is committed to ensuring that adequate measures are taken to protect the security of students on the university campus.
- AU respects the student's right to privacy of personal information. This implies that information disclosed by the student and for the student is considered to be personal; this information will not be disclosed to third parties without your consent. A permanent record for each student enrolled in the University is maintained by the Office of Admissions and Registration. The written consent of the student is officially required to disclose his/her academic record. Exceptions are made for parents, sponsors, authorized AU officials and in compliance with a judicial order.
- AU shall make sure that students know their rights and responsibilities, as well as applicable University policies and procedures. The university's obligation under this section is fulfilled when the university makes copies (hard or on the university website) of the Student Handbook available to every student upon being admitted to and entering the university.
- Students have access to help them in managing their own affairs, increasing self awarness, career planning and personal decision making;
- Students have access to established grievance procedures.
- Students have access to various activities beyond the classroom, which support intellectual and personal development.

- Students have access to excellent faculty, academic technology, classrooms, libraries, presentations and other resources necessary for the learning process.
- Students have the right to get prompt and appropriate responses from the university's academic and administrative Offices.
- Every student has the right to quality education.
- Every student has the right to a fair and impartial assessment of his/her performance as a student.
- AU shall furnish students with relevant course information to enable them to make informed course selection.
- A student who is accused of a disciplinary offence has the right to present an appropriate defence.

Student Responsibilities:

Students must behave in a manner that is civil and compatible with the university's function as an educational institution. Students are required to obey the rules and regulations of AU as laid out in the Student Handbook and University Catalog. In particular, students are expected to abide by all rules and regulations expressed in the Code of Student Conduct. Students are expected to familiarize themselves with these codes and their obligations and responsibilities toward the university, its faculty and staff, other students and visitors to the university. In AU's community of learning, disruption of the educational process, destruction of property, and interference with the orderly process of the university, or with the rights of other members of the community, cannot be accepted. In order to achieve its objetives and function properly, AU has the authority mandate to maintain law and order and to discipline those who are disruptive of the educational process.

26.2. Student Behavior Code

All members of AU are expected to conduct themselves in accordance with the regulations of the university, and the laws of the UAE. In particular, AU students are requested to play an exemplary and positive role in enhancing the reputation of the university by:

a. Demonstrating a clear commitment to their own learning
b. Conforming themselves to all specified time requirements for registration, class schedules, examinations and completion of assignments
c. Ensuring that work presented is their own personal work
d. Ensuring that all information presented to faculty members and administrative staff is accurate and true
e. Conducting themselves in a courteous and proper manner in their dealings with faculty members, employees or other students
f. Meeting their academic advisors regularly
g. Respecting the property of others and of the university
h. Reporting grievances to their academic advisor or the Dean of the College
i. Not engaging in cheating, plagiarism, disruptive behavior or improper conduct which could damage the reputation of the university
j. Not using AU facilities for other than learning purposes without prior authorization

k. Not falsifying documents or using falsified documents for any purpose related to the university
l. Not smoking or using electronic cigarettes, etc. in enclosed areas on campus or at the university housing facilities.
m. Not distributing leaflets or collecting signatures on university premises or in hostels without prior authorization
n. Abiding by AU rules and regulations, and the directives of the academic and administrative staff
o. Acting in a way that will not cause offence to the culture of the UAE

Disciplinary Penalties for violations of Behavior Code

One of the following penalties shall be imposed on the student who violates the codes of public conduct:

1. Verbal warning.
2. Written warning.
3. Depriving the student of all or some of the privileges, services or extracurricular activities provided by the University for a period not exceeding two semesters and without refund of fees.
4. Depriving the student of completing the course in which the violation is committed; Awarding a failing grade on the course and obligating the student to pay the course fees.
5. Depriving the student of completing the whole semester in which the violation is committed; awarding a failing grade on all of the semester courses he is enrolled on and obligating him to pay the fees.
6. Suspension from study for one or more upcoming semester.
7. Expulsion of the student from University and awarding him a failing grade on all of the courses of the semester in which the violation is committed; obligating him to pay the fees. The student shall not benefit from his academic record.
8. Expulsion of the student from University; awarding him a failing grade on all of the courses of the semester in which the violation is committed; student shall not benefit from his academic record neither shall his fees be refunded.

26.3 Student Academic Integrity

The act of plagiarism is committed when one uses the ideas or work of other people and the representation as one's own original work. Ajman University deploys a powerful plagiarism detection software as well as other verification tools to detect any act of plagiarism. Plagiarism encompasses a wide range of forms, such as:

- Written research, books, articles, and theses.
- Graphic illustrations, images, and motion pictures.
- Graphs, maps and models
- Audiovisual material

a. Students are required to submit their own work for fair evaluation of the level of achievement of a specific learning outcome.
b. Each faculty should explain to their students that plagiarism is not at all acceptable and there are strict penalties for any act of plagiarism.
c. It is not forbidden to reproduce an idea or sentences from a book or an article as long as the student uses quotation marks and gives its source.
d. Every submitted project is expected to contain a reference section in which the student lists all the materials that he/she consulted or used in the project.

Examples of Academic Integrity Violations

The following list includes, but is not limited to, examples of violations under the Academic Integrity policy.

Plagiarism	Test and Exam Rules	Other violations
Failing to acknowledge sources through the use of proper citations when using another's works and/or failing to use quotation marks.	Attempting to read other students' exam papers.	Co-operation or collaboration on an academic assignment, in whole or in part, when the instructor has indicated that the assignment is to be completed on an individual basis.
Submitting any work written, in whole or in part, by someone else.	Speaking to another student (even if the subject matter is irrelevant to the test).	Disruption of classroom activities or periods of instruction.
Submitting a computer program developed in whole or in part by someone else, with or without modifications, as one's own.	Leaving answer papers exposed to view.	Improper access to confidential information such as exams or test questions.
Using ideas or material without appropriate acknowledgment in any academic assignment.	Writing an examination or part of it, or consulting any person or materials outside the confines of the examination room without permission to do so.	Misrepresentation of facts for any academic purpose.
Using another's data or research findings.	Using material not authorized by the examiner.	

Disciplinary Penalties for violations of Academic Integrity

Faculty members are responsible for checking acts of plagiarism in their courses. If a faculty determines that an act of plagiarism has been committed, a report of the incident with supporting evidence shall be submitted to the Head of Department who in turn will forward the report to the College Dean for further action. The Dean after confirming the act of plagiarism, shall refer the report to the Registrar where a copy of the report will be kept in the student file.

The following actions shall be taken against the student proven to have committed an act of plagiarism:

1. If the student has no previous record of plagiarism in any course, a zero grade is given to the submitted work.
2. A student committing a second plagiarism offense in any course will be awarded a failing grade on that course and shall pay the full course fees. The plagiarism offence shall be noted in the student's record of grades and marked with "XF".
3. A student committing a third plagiarism offense in any course will be awarded a failing grade on all courses of the semester in which the student commits the violation and shall pay the fees for all courses. The plagiarism offence shall be noted in the student's grades record and be marked with the "XF" for all the courses taken in that semester.
4. A student committing a fourth plagiarism offense in any course will be expelled from the University and shall be awarded a failing grade on all courses of the semester which will be marked with a grade of "XF". The student will have to pay the fees for all courses. However he can benefit from his/her academic record.
5. Upon a written request submitted by the student to the Office of Admissions & Registration, the XF mark may be removed if the student maintains his/her record clean up until his/her graduation.

The University may supplement its penalty with a decision to fully or partially ban the student from the privileges provided by the University for a maximum period of two semesters.

26.4 Exam Policies

Article 1 : Only students who fulfill the following conditions will be allowed to sit for the university examinations:

1. Students who arrive at the examination room in good time. If they are more than 30 minutes late they will not be admitted. Going out the examination room shall be allowed only 60 minutes after the timed start.
2. If students are not suspended from classes.
3. Students should introduce the University Card and the No Liabilities Certificate.

Article 2 : The examination regulations and procedures shall apply to the student during the period of exams, in examination rooms. The possession of mobile phones or other electronic means of communication is strictly prohibited and will be confiscated by invigilators, if any.

Article 3:

1. In case the student is absent from an examination with a valid excuse, they will be allowed to have the complete exam within no more than two weeks from the start of the following semester. The student is deemed informed of the date of the complete exam.
2. Any excuse shall be introduced in no more than one week from the exam provided that this excuse is ratified by the authorized parties in the university.
3. The acceptable excuse shall be one of the following:

4. A medical report that is approved by the University Doctor in the same campus.
5. Death certificate of one of the first and second degree relatives.
6. Suspension or appearance before the court.
7. A perfectly valid excuse.
8. The student shall pay the fees of the incomplete.

Article 4: The student who is absent from an examination without a valid excuse shall be deemed to have failed the examination.

Article 5

1. An excuse shall be deemed valid if the examination timetable allows the student to take more than two exams at the same day.
2. The student shall be given an additional time if he/she has to take more than one exam at the same time.

Article 6

Cheating

Any student who is caught in possession of written information relevant to the course, messages by mobile phone, or transmitting written or verbal information to his/her classmates shall be considered a cheater. This includes also the following:

1. Using a book, magazine, research, computer or Internet file.
2. Using scraps, slips or copies.
3. Using signs to convey information.
4. Sending or receiving information through mobile phone.
5. Writing on wall, ground, chair, clothes or body.
6. Using every other means of information not allowed by the university regulations.

Trying to cheat

Any student who is caught in possession of written information, messages sent by mobile phones, or transmitting written or verbal information to his/her classmates shall be considered trying to cheat. This also includes what follows:

1. Looking at the answer sheet of another student.
2. Talking with classmates in the examination room.
3. Possessing a mobile phone.
4. Possessing papers or any other means that comprises information relevant to the subject of exam, but not shown up.

Article 7

1. The examinee shall be entitled the right for grievance with regard to the score he obtained in the exam within no more than two weeks from the announcement of results.
2. The Dean shall designate an ad-hoc committee to study the grievance cases on the exam results; the decision of this committee shall be final.
3. The grievance cases shall be subject to fees estimated in accordance with the University Bylaws and Policies.

4. The request for grievance shall be processed before the end of the first week of the following academic semester.
5. Any grievance request shall be identical to the form provided by the Office of Admissions and Registration.

Procedures Regulating Irregular Behaviors during Sit-in Exams

All cases of cheating or trying to cheat, disturbing the peace and calm of the examination room, disrespecting one of the invigilators, impersonating an examinee or engaging someone else to take the exam by-proxy shall be reported to the College Examination Committee by all the invigilators.

1. The invigilator shall notify the student who is caught cheating or trying to cheat to see the Chair of the College Examination Committee by means of a form designed by the Central Examination Committee and by which he/she will be informed of the place and time of his/her appearance before the Central Examination Committee.
2. The College Examination Committee shall refer the report to the Dean who in turn submits it to the University Disciplinary Committee.
3. The University Disciplinary Committee shall conduct the investigation with the cheater (or trying to cheat) and report all available witnesses within no more than 48 hours, then a report shall be submitted. In case the student does not attend in the assigned time, he/she will be subject to an investigation that will be conducted in absentia.
4. The the University Disciplinary Committee shall be entitled to take the decision to keep the report in case the infraction is not supported by any evidence; the decision is deemed definite and the student may be allowed to re-sit the examinations.
5. The Chair of the Central Examination Committee shall refer the report to the University Disciplinary Committee to take the appropriate decision with regard to the infraction the examinee is accused of.
6. Once asked by the invigilator, the examinee who is caught cheating or trying to cheat shall quit the examination room.

Disciplinary Penalties for violations of Examination Rules

1. Awarding a failing grade on the course in which the student commits the violation; student shall pay the full course fees. Such penalty shall apply when a student is caught cheating or attempting to cheat in exams, or caught in possession of notes relating to the exam subject matter, or in possession of a mobile phone or any other electronic device even if it is switched off. This penalty shall apply if the breach is the first to be committed by the student. The cheating case shall be noted in the student's record of grades and marked with "XF" for that course.
2. Awarding a failing grade on all courses of the semester in which the student commits the violation and obligating him to pay the full course fees. Such penalty shall apply when a student is caught cheating or attempting to cheat in exams; or caught in possession of notes relating to the exam subject matter, or in possession of a mobile phone or any other electronic device even if it is switched off. This penalty shall apply if the violation is the

second to be committed by the student. The cheating case shall be noted in the student's grades record and be marked with the character "XF" for all courses in the semester.

3. Expulsion of the student from University and awarding him a failing grade on all courses of the semester in which the violation is committed. The student can benefit from his academic record but will have to pay the fees. Such penalty shall apply when a student is caught repeating for a third time an act of cheating or an attempt to cheat in exams; or caught in possession of notes relating to the exam subject matter, or in possession of a mobile phone or any other electronic device even if it is switched off.
4. Expulsion of the student from University and awarding him a failing grade on all courses of the semester in which the violation is committed. The student cannot benefit from his academic record and his fees will not be refunded.
5. Upon a written request submitted by the student to the Office of Admissions & Registration, the XF mark may be removed if the student maintains his record clean up until his graduation.

26.5 Policy on Smoking

Smoking is not permitted in all campus buildings at AU. All students and staff members of AU are responsible for abiding by this policy.

26.6 Policy on Drug and Alcohol Abuse

AU prohibits the possession, use, sale or distribution of illegal drugs and alcohol by students and employees on its property and at any university activity. Any violation of these policies will result in appropriate disciplinary actions including dismissal in the case of students and termination of contract in the case of employees, even if it is a first offense.

26.7 Policy on Dress Code

Students, faculty, and staff of AU are expected to dress appropriately and to respect the cultural and religious foundations of the United Arab Emirates. Inappropriate dress for both males and females is prohibited. This means dressing in respectful and modest way. Furthermore, obscene or offensive pictures or slogans should not be displayed on clothing.

Dress code violations should be reported to the Dean of Student Affairs. Students who do not abide by the AU dress code are subject to disciplinary action.

26.8 Policy on Use of Email as Official Communication

AU communicates with its students via email. All entities at AU use email to convey important messages including time-sensetive ones. Students are allocated email addresses and they should check their email every day. Students shall not be excused for not being aware of announcement or deadlines whatever the reason may be.

26.9 Policy on Disruptive Conduct

Purpose: To ensure students maintain good conduct and refrain from disturbing AU community members.

Prohibitions:

1. Intentional obstruction or disruption of teaching, research, administration, disciplinary proceedings or other university activities, including public service functions and other authorized activities on university premises.
2. This also includes making or causing noise, regardless of the means that disturbs authorized university activities or functions.
3. Cursing in a public setting, using unacceptable language or making an offensive speech that includes, but is not limited to name-calling, insulting, profanity, vulgarity or in a way violating the UAE code of mutual respect.
4. Persistent serious acts of disobedience.

26.10 Policy on Theft, Property Damage and Vandalism

Purpose: To protect AU community property and prevent misbehavior.

Prohibitions:

a. Theft or unauthorized taking of university property or property of an AU student, faculty member, staff member or visitor on university premises. This includes knowingly possessing such stolen property.
b. Vandalism, willful wanton or reckless damage to university premises or property.

26.11 Policy on Classroom Misbehavior

Purpose: To ensure that the rights of instructors teaching students are protected in the labs, offices and other campus learning environments.

Prohibitions:

a. Persistent speaking without permission; engaging in activities that are not related to the class; inappropriate use of electronic devices, cell phones or laptops; sleeping in class; habitually class late or leaving early; eating/drinking in class without permission; showing disrespect for and arguing with faculty and their studyfollows in class.
b. Threatening; verbal abuse, including but not limited to, using obscene language denoting the instructor or being argumentative; using admonitory or mocking gestures; defaming; harassment; physical altercations; destruction of property; or any action that might jeopardize the security of a faculty or a student.

26.12 Policy on Use of Mobile Phones

Students are expected to respect their fellow students and faculty with regard to the use of mobile phones. Students should turn off their mobile phones when they are in class, or attending a university function, lecture, or meeting.

26.13 Policy on student media

Ajman University welcomes participation through our social media channels and often encourages interaction. This creates a platform for constructive interaction among AU community members. However, posts that violate the community ethics such as personal insults, profane behavior, illegal materials, etc. are strictly prohibited. AU shall exercise its right to remove posts that are displayed for commercial purposes or any other posts that do not adhere to its rules and regulations. Needless to say that the content of posts displayed by AU is its property an is subject to copyright laws.

26.14 Disciplinary Policy

Any violation of university regulations or directives, or improper behavior, is considered as misconduct and will render the student liable to disciplinary action which may range from a verbal warning to dismissal from the university.

In addition, if a student violates any rule or instruction during an examination, or is caught cheating, he/she will be asked to leave the examination room. In this event, the campus examination committee will interview the student on the day following that in which the incident occurred and will as a result submit a detailed report to the Chancellor of the University, in which the level of punishment is recommended. The level of punishment may range from the giving of an “X” mark for the course concerned, or failure in all courses for which the student is registered that semester.

A copy of the decision of the Chancellor will be kept in the student’s file, and the Offices of Admissions and Registration will also inform the sponsor as appropriate.

26.15 Student Grievance and Appeal Policy

POLICY STATEMENT

On occasions, a student may disagree with the academic decision of a faculty member. The university provides an appeal process for the student to request reconsideration of an academic decision. Academic Appeal is a petition to change a decision basis for a student appeal matter. The decision may be either that the academic judgment was unfair in the view of the student or that the department academic decision is applied incorrectly in the view of the student.

PURPOSE OF THE POLICY

The student appeal policy guides the student through steps of filing an appeal for reconsidering or changing an academic grade or decision.

DETAILED POLICY STATEMENT

The Dean of Student Affairs forwards the student grievance to the Chairman of the Student Grievance Committee who will arrange a meeting to hear both parties and witnesses, as appropriate. The committee will then deliberate upon its findings and make a recommendation to the Chancellor who will take the final decision, to be communicated to both parties.

Preliminary Steps:

To initiate or pursue a grievance, the following steps must be observed no later than three weeks following the occurrence of the faculty member decision.

Step 1. The student should first discuss the matter with the person or persons directly involved, in an attempt to resolve the issue through informal discussion.

Step 2. If there is no resolution in step 1, the student should discuss the matter with the Head of Department to whom those directly involved report (or if the Head of Department is directly involved, with the College Dean. If the College Dean is directly involved, with a senior management staff who shall attempt to mediate an informal resolution).

Step 3. If reconciliation has still not been achieved, the student shall submit a written statement of his grievance to the Appeal Committee through the Dean of Student Affairs. The statement shall contain:

- a brief narrative of the condition giving rise to the issue;
- a designation of the parties involved; and
- a statement of remedy requested.

Formation of the Student Appeal Committee

The Committee shall be formed by the Chancellor or his authorized representative. It shall consist of seven members, including a representative from the Deanship of Student Affairs.

Committee Action

Upon receipt of a written statement of an academic grievance request, the Head of Student Appeal Committee (SAC):

- Determines prior to considering the case whether discussions between the persons directly involved, Head of Department, and College Dean have been exhausted in attempting to resolve the issue.
- Notifies the parties named in the statement of receipt of a complaint naming them, and sends a copy of the statement to the named parties and to all committee members.
- Meets within two weeks after receiving the written statement to review the written statement and renders a decision as to whether sufficient ground is present to warrant a hearing.
- Notifies the griefant and the named parties of its decision in writing.

- If a hearing will be held, the SAC notifies in writing all parties involved, including witnesses, of the date, time and place of the hearing at least one week prior to the date set.
- Informs the parties that the providing of proof rests with the grievant.
- Requests in writing from all parties involved any pertained material deemed necessary for review by the committee prior to the hearing. These materials, plus any additional materials either party chooses to submit must be made available to the committee no later than four days prior to the hearing. Any person named in the grievance may submit a written statement to the committee outlining issues from their perspective.
- All communication among the committee, the grievant(s) and person(s) named in the statement of complaint will be confidential.

Hearing Process:

All hearing conducted by the Student Appeal Committee shall be conducted confidentially in the following manner:

- The Grievant(s) and respondent must be present during the information gathering portion of the hearing. Witnesses will be available, and called when needed. The committee reserves the right to allow the presence of a secretary.
- All statements during the information exchange phase of the hearing will be written.
- Any committee member may question any of the participants at the hearing, at any time during the proceedings.
- The grievant will present his/her statements and/or witnesses to the committee.
- The respondent will have the opportunity to question the grievant(s) and witnesses about their statements.
- After all information is exchanged, all persons, other than the committee members and the secretary will leave the committee room. The grievant(s), respondent(s) and witnesses will continue to be available to the committee should further information be needed.

Decision

The Chancellor shall approve or reject the committee recommendation(s) within two weeks after it is received, unless the Chancellor feels that more information is necessary, In this event the case will be referred back to the committee for further findings prior to decision. If the decision of the Chancellor is not in accordance with the committee's recommendation(s), he shall state the reason for that decision, in writing, to the committee. The Chancellor shall then take the appropriate action to implement his decision. The grievant(s) and respondent(s) will be informed in writing of the Chancellor's decision.

Appeal:

1. The student may appeal the disciplinary decision issued against him in a letter addressed to the Chancellor or his authorized representative. The student shall submit the letter within a maximum of seven working days of his being notified of the decision, verbally or in writing, as per the academic calendar, otherwise the decision shall be final and enforceable.

2. The appeal shall only be accepted on procedural grounds if it is lodged within the legal deadline and it involves one or more of the following:
   - Failure to observe the investigation procedures provided for in the University policies and procedures.
   - Emergence of previously unknown evidence which might have influenced the decision.
   - The disciplinary action is not commensurate with the violation.
3. If the Chancellor or his authorized representative accepts the appeal on procedural grounds, he shall refer the case file back to the Committee for re-consideration, and its decision shall be final and enforceable.
4. Notification via the email provided to the student by the University or via a text message sent to the student's mobile phone registered with the University's Admissions and Registration unit shall be legal and acceptable.
5. Appealing a disciplinary decision shall not lead to the aggravation of penalty against the appellant.

27 Tuition Fees and Financial Regulations

Ajman University (AU) operates on a fully credit-based fee structure in addition to other fees.

The university may reserve the right to increase the tuition and other fees, up to 10% per academic year when deemed necessary.

All students who register for courses incur a financial obligation to AU. Students are responsible for all charges incurred at AU. Failure to attend classes does not constitute withdrawal from the institution or a class.

Students will only be permitted to register for a subsequent semester if they have paid all their financial obligations.

27.1 Application and Registration Fees

The application and registration fee for undergraduate programs and Professional Diploma in Teaching is AED 1,300. The fee should be paid in cash in one installment upon registration, and is not part of the tuition. The application and registration fee is non-refundable, except when the application is rejected in which case an amount of AED 1,000 will be refunded to the student.

A student who wishes to apply for transfer from another accredited institution will pay a non-refundable fee of AED 500. This fee shall be considered part of the application and registration fees if the student is admitted in **Ajman University**.

Students admitted to the Medicine, Dentistry, Pharmacy, Architectural Engineering, Interior Design, and Law undergraduate programs are required to pay a seat reservation deposit as stated in the table below. This deposit is non-refundable and non-transferable and must be paid before the deadline stated on the letter of admission. This deposit is deductible from the student's tuition once the applicant joins the university. If the student asks to defer admission to the following semester and the request is approved, the deposit will be applied to the following semester.

Program	Deposit (AED)
Bachelor of Medicine and Bachelor of Surgery (MBBS)	25,000
Doctor of Dental Surgery	21,000
Bachelor of Pharmacy	12,000
B.Sc. in Architectural Engineering	8,000
Bachelor in Interior Design	4,000
Bachelor of Law	4,000

The application and registration fee for graduate programs is AED 2,000. The fee should be paid in cash in one installment upon registration, and is not part of the tuition. The application and

registration fee is non-refundable, except when the application is rejected in which case an amount of AED 1,700 will be refunded to the student.

27.2 Tuition Fees

a. Credit Hours for Bachelor's Programs

- Tuition fees for the Bachelor's programs offered at the university are as follows:

College		Fees per year
College of Medicine	Foundation year	AED 75,000
	Regular year	AED 110,000

College		Fee per one credit hour
College of Dentistry		AED 2,000
College of Pharmacy and Health Sciences		AED 1,500
College of Mass Communication		AED 1,025
College of Law**		AED 1,100
College of Engineering and IT	B.Sc. in Biomedical Engineering	AED 1,300
	B.Sc. in Electrical Eng. (Instrumentation & Control) **	AED 1,300
	B.Sc. in Electrical Eng. (Electronics & Communication) **	AED 1,300
	B.Sc. in Electrical Eng. (Power & Renewable Energy) **	AED 1,300
	B.Sc. in Computer Engineering	AED 950
	B.sc. in Information Systems	AED 950
	B.Sc. in Information Technology	AED 950
College of Architecture, Art and Design	B.Sc. In Architectural Engineering	AED 1,500
	Bachelor in Interior Design**	AED 1,300
	Bachelor of Science in Building Engineering and Construction Management	AED 1,300
College of Humanities and Sciences**		AED 950
College of Business Administration**		AED 950
General Education Program		AED 1,150

** 20% discount on tuition fees per semester for the Bachelor of Sociology program only.*

** * 20% discount on tuition fees per semester.*

b. Credit Hours for Graduate Programs

- Tuition fees for the Graduate programs offered at the university are as follows:

College/Institute	Major	Fee per one credit hour
College of Architecture, Art and Design	M.Sc. Urban Design	AED 2,500
College of Business Administration	MBA: Human Resources Management	AED 2,000
	MBA: Financial Management	
	MBA: Marketing	
College of Law	Master of Law (Public Law)	AED 2,200
	Master of Law (Private Law)	
	Doctorate of Philosophy in Law	AED 3,500
College of Humanities and Sciences	Master of Arts in Arabic language and Literature / Literature and Criticism	AED 2,000
	Master of Arts in Arabic language and Literature / Grammar and Syntax	AED 2,000
	Professional Diploma in Teaching***	AED 1,000
College of Pharmacy and Health Sciences	M.Sc. in Pharmacy (Clinical Pharmacy)	AED 3,125
	M.Sc. in Pharmacy (Pharmaceutical Technology)	
College of Dentistry *	M.Sc. in Restorative Dentistry****	AED 420,000 per program (3 years)

**** 30% discount on tuition fees per semester*
***** The average annual tuition cost for M.Sc. in Restorative Dentistry is AED 140,000 per academic year.*

c. Laboratory, Clinic and Studio Fees

Students registered in the programs offered by the College of Dentistry and College of Pharmacy & Health Sciences pay a flat semester fee for specialized laboratory sessions and clinics as shown in the table below:

College	Dentistry			Pharmacy
	1st -3rd year	4th & 5th year		
Fees	AED 4,000	Clinics	Productive Lab	
		AED 6,000	AED 3,000	AED 2,600

This fee does not include the lab fees of courses of the proposed sequence of study (study plan) offered by other colleges.

Students registered in the programs of Architectural Engineering and Interior Design will pay a studio fee of AED 1,500 per semester.

Students registered in the program of Bachelor of Arts in Mass Communication will pay a studio fee of AED 1,025 per semester for each registered course having Radio/TV session.

27.3. Additional Fees

- Orientation Service Fee, provided during the first semester of enrolment: AED 1,150
- Additional lab fee for each registered course having lab sessions offered by colleges other than College of Dentistry and College of Pharmacy: AED 650
- Additional fee for courses having a tutorial sessions: AED 550
- Additional fee for graduation project courses at the College of Engineering & Information Technology: AED 600
- Additional fee for internship courses: AED 800
- Student service fee per semester: AED 300
- Application fee for an incomplete course: AED 500
- Reference letter: AED 30
- Extra copy of the academic transcript: AED 100
- Grade grievance application: AED 100
- ID card, per academic year: AED 25
- Additional fee of AED 500 per each registered course taken as independent studies.

The university may and reserves the right to increase the tuition and other fees up to 10% per an academic year when deemed necessary.

5% VAT will be added to all the above fees as per Federal Law no. (8) of 2017 on Value Added Tax.

27.4. Payment Terms

A student should pay AED 4,000 in advance as a deposit in order to register in fall/spring semesters (AED 2,000 in summer session).

Upon registration, the student should pay the tuition fees in full within two weeks from the end of the add/drop period. The **Office of Finance** has the right to take the necessary action against any student who has not settled their due balance of tuition fees, including suspension of registration and ineligibility to attend exam sessions.

The student has an option to settle tuition fees in (3) three monthly installments by providing postdated cheques. To get this privilege, the student should obtain the **Office of Finance**'s approval after filling out the required form. This option is valid for spring/fall semesters only.

Tuition for summer semester should be paid in one installment within (2) two weeks from the end of the add/drop period.

Graduate students registering for Master Thesis will pay 50% of the applicable fee upon registration and 50% in the following semester.

Payments to AU are accepted in the following forms:

- Online through ORS system.
- Al Ansari Exchange Branches insde the UAE
- Cheque: Current & Post Dated, UAE Dirhams cheques drawn on UAE Bank*

  Postdated cheques are subject to **Office of Finance**'s approval.

• Direct deposit and bank transfer to:

- Bank : Mashreq Bank psc,
- Branch : Riqa Branch - Dubai
- Account Name : **Ajman University**
- IBAN : AE170330000010493141592
- SWIFT : BOMLAEAD

Or,

- Bank : Ajman Bank
- Branch : Khalifa Branch - Ajman
- Account Name : Ajman University of Science & Technology
- IBAN : AE720570000017482222011
- SWIFT : AJMANAEAJ

The student's name and University ID number (if available) must be mentioned in all deposits and transfers.

Please scan the deposit slip or transfer confirmation and e-mail them to: finance@ajman.ac.ae or fax them to: +971 6 74 34 647.

For further finance-related inquiries, please contact the Student Accounts on +971 6 705 6041 or drop an e-mail to finance@ajman.ac.ae

* Each bounced cheque will be subject to a penalty of AED 300.

27.5. Refund Policy

a. Add/Drop Period

During the add/drop period students may add or drop courses without incurring charges. If a student adds one or more course(s) during the add/drop period, he/she must pay additional fees for the added course(s) at the time of submitting the application, otherwise the application will be rejected.

If a student withdraws from one or more courses during the add/drop period, the fees of the dropped course(s) will be credited to the student account for the following semester.

A student may withdraw from one or more course(s) after the end of the add/drop period, provided he/she remains registered in at least three courses during that semester (nine credit hours). In this case, the student does not have the right to claim any refund for the fees of the withdrawn courses.

b. Suspension of Registration

During the add/drop period a student may submit an application for suspension of registration for one or a maximum of two consecutive semesters. The application should be submitted to the Office of Admissions and Registration. In this case, the full amount of any fees paid shall be credited in full to the student's account for the following semester, or refunded two weeks after the submission of the refund application to the Student Account Officer (at **Office of Finance**).

If the student submits an application for suspension of registration for one or two semesters during the two weeks following the end of add/drop period, he/she shall be entitled to only 50 percent of the tuition fees of the semester in which he/she submits the application for suspension.

If the student submits an application for suspension of registration after the end of the two weeks following the add/drop period, he/she will not be entitled to claim a refund of any part of the tuition fees of the semester in which he/she submits the application for suspension.

If a student wishes to reclaim any amount from a credit balance – in case of suspension only, he/she must fill in an Application for Refund Form and submit it to the Student Account Officer (at **Office of Finance**) after the end of the add/drop period. A cheque payment will be prepared within two weeks from receiving the application. If the student fails to do this, the amount will be credited to the student balance for the following semester.

c. Withdrawal from the University

During the add/drop period, the student may submit an application for suspension of registration and withdrawal from the university. The application should be submitted to the Office of Admissions and Registration. In this case, the student is entitled to a full refund of tuition fees paid

for the semester in which he/she submits the application for withdrawal. The refund will be made one week after the submission of the application for refund to the Student Account Officer (at Office of Finance).

If the student makes an application for suspension of registration and withdrawal from the university within the two weeks following the end of the add/drop period, he/she is entitled to a refund of only 50 percent of the tuition fees for the semester in which he/she submits the application.

The student shall not be entitled to claim a refund of any part of the tuition fees if the application for suspension of registration and withdrawal from the university is made more than two weeks after the end of the add/drop period.

d. Disciplinary Dismissal

A student who is dismissed from the university for disciplinary reasons is not entitled to any refund of tuition fees of the semester of dismissal.

27.6. Tuition Fee Waiver and Scholarships

a. New students

New students are entitled to a waiver of 20 percent of their tuition in the first semester of their study, after fulfillment of the English proficiency requirement, if:

1. The student obtains a minimum grade of 95 percent in secondary school final examinations (for the College of Dentistry and College of Pharmacy and Health Sciences programs)
2. The student obtains a minimum grade of 90 percent in secondary school final examinations (for all other colleges)

b. Continuing Students

Continuing students are entitled to a reduction of 20 percent of their tuition in a regular semester if they have obtained a GPA of 3.8 or higher out of 4.0, and completed successfully at least 15 credit hours during the previous semester.

Continuing students are entitled to a reduction of 10 percent of their tuition in a regular semester if they have obtained a GPA of (3.6 to 3.79) out of 4.0, and completed successfully at least 15 credit hours during the previous semester.

The university reserves the right to amend the secondary school grade or semester GPA required by students to be entitled to tuition fee reduction.

c. Sibling Fee Waiver

All sibling students and first degree relatives (parents and full siblings) registered in any undergraduate program are eligible for a fee waiver from 5% to 20% according to their order of registration in the same semester (excluding the summer session), after submitting a request with copies of their passports to the Office of Scholarship and Financial Aid. This fee reduction is not subject to the AGPA condition. It is applicable as follows:

Sibling	Waiver Rate
First	5%
Second	10%
Third	15%
Fourth and above	20%

d. Performance Fee Waiver

Exemptions from tuition fees shall be granted to the top three academically outstanding students in each college during each regular semester, in accordance with the following regulations:

- A student holding first place at College level: 100 percent fee exemption.
- A student holding second place at College level: 75 percent fee exemption.
- A student holding third place at College level: 50 percent fee exemption.

The following requirements should be met to be eligible for the discount:

1. To have completed 60 credit hours at Ajman University.
2. If two eligible students have the same CGPA, preference is given to the student who has completed more credit hours.
3. In the event of two eligible students having the same CGPA and completed the same number of credit hours, preference is given to the student with the highest CGPA in the last semester.
4. The number of credit hours completed should commensurate with the number of academic years spent by the candidates at Ajman University.
5. The list of colleges' top achievers is approved by the Office of Admissions & Registration and the Vice Chancellor for Academic Affairs.

e. Top Secondary School Students Waiver

The top three students from secondary schools within the Emirate of Ajman are entitled to a fee waiver in the first semester of their study only, as follows:

- 50% for the first top student
- 40% for the second top student
- 30% for the third top student

f. Scholarships of Ajman Government

Ajman University grants a number of scholarships and discounts to Ajman-based Emirati students as well as local and federal government employees in accordance with the terms and conditions specified in the Policy of Scholarships and Financial Aid.

g. Scholarships for Ajman University

Ajman University grants a number of scholarships and discounts to outstanding, disadvantaged and special needs students, in accordance with the terms and conditions specified in the Policy of Scholarships and Financial Aid.

h. General provisions

- Scholarships and discounts apply only to tuition and lab fees. Fees relating to registration, training, accommodation, transportation, textbooks, summer sessions and other administrative fees are not included.
- Scholarships and discounts do not apply to graduate studies.
- Scholarships/discounts apply only to fall and spring semesters. The summer session is not included.
- Scholarships/discounts do not cover the fees for failed courses or courses dropped beyond the add & drop deadline.
- Unless the student benefits from an external sponsorship as well as an AU discount, he/she may not combine two types of discounts at the same time.The highest discount is applied.
- The student may change his/her major within the same college. He/she shall bear the cost of all courses, which cannot be equated.
- The student is entitled to the discount only after submitting the English proficiency certificate and before the end of the Add & Drop period in the semester in which the scholarship/discount is granted after joining the University. The scholarship/discount may not be deferred to the following semester.
- If the student's CGPA falls below 2.0, the scholarship/discount shall be suspended. The student is given one single chance to improve his/her CGPA and recover his/her scholarship/discount. In the event the student's CGPA drops below 2.0 for a second time, the scholarship/discount shall be irremediably discontinued.
- In the event the student suspends his/her studies for more than two consecutive semesters or more than four non-consecutive semesters, the scholarship/discount shall be irremediably discontinued. In this case, he/she shall bear the fees for courses he/she failed, or added or dropped beyond the Add & Drop period.

Financial aids

In May 2013, Ajman University established Thamer Salman Fund for Educational Solidarity as a community initiative to help financially challenged students pursue their university studies.

Thamer Fund provides assistance to the following categories of students:

- Students who completed their graduation requirements and did not receive their certificates for failing to meet the university's financial obligations.
- Students who suspended their studies because of pending financial dues.
- Full-time students who have completed a minimum of 30 credit hours of study at Ajman University and whose academic progress is challenged by pending financial dues.
- Students who are the children of AU employees whose job grade is 6 or lower.

Eligibility

To be eligible for the Fund's support, the applicant:

- Should be enrolled at AU and should be eligible for financial support.
- Should have completed a minimum of 30 credit hours.
- Should have a minimum CGPA of 2.5.
- Should not have been subject to a disciplinary penalty by AU Student Disciplinary Committee, except for verbal or written warnings.
- Should not be beneficiating from an external aid or internal scholarship, except for discounts described in AU's relevant regulations.

How to apply

1. Submit an initial application through Thamer Fund website at https://thamerfund.ajman.ac.ae to get an Application Number.
2. Provide the required information authenticated by the relevant AU offices.
3. Fill out the Thamer Fund Form.
4. Provide the applicant's financial and academic records for data validation.
5. Provide the following duly attested and valid documents:
    - Passport copies of family members.
    - Tenancy contract with electricity and water bills.
    - Salary certificate of the breadwinner.
    - Breadwinner's bank statement for the last 6 months.
    - Other tuition bills, if any.
    - Medical certificates, if any.
    - Death certificate of the breadwinner, if any.
    - All relevant supporting documents.
6. Incomplete applications are not considered.
7. The Office of Scholarships and Financial Aid reviews the applications and supporting documents and submits them to the Executive Committee to take decisions thereon.
8. The Executive Committee submits recommendations to the Fund's Council regarding each application.
9. Applicants are notified of the Council's decision by SMS and email.

N.B.:

- Tuition waiver is applied to undergraduate programs only. In addition, it is applied to tuition & lab fees during fall/spring semesters only. Summer semester is excluded.
- If a student meets more than one of the above, i.e. conditions of fee waiver or scholarship, she/he will not be entitled to benefit from more than one fee waiver at the same time. In this case, the student will be granted the higher fee waiver. All fee reductions will be granted on the condition that the student satisfies the English proficiency requirement before the end of the Add & Drop period in the first semester of their enrollment.

- All above-mentioned tuition fee reductions are subject to general eligibility conditions as specified in the University Policies & Regulations. For more details, please contact the Office of Scholarship and Financial Aid.

27.7 Books

The university will supply course textbooks to students at reasonable prices. It should be noted, however, that a student in receipt of a fee exemption as listed above will pay the full prices for the books.

College of Business Administration

College of Business Administration (CBA) is one of the most credible business colleges in the region that is committed to the development and enhancement of knowledge and business skills of its students to enable them to understand the modern business world, to achieve the highest levels of success in their professional careers, and to play effective leadership roles regionally as well as globally.

College of Business Administration (CBA) is committed to providing high-quality business education. The remarkable growth in economic and business activity in the world in general and Arabian Gulf region in particular, over the past decade, has greatly stimulated the demand for skilled and competent business graduates. Our competitive degree programs are, therefore, developed to offer both local and global perspectives as well encourage our students to think out of the box and innovatively so as to not only be equipped with the knowledge, skills and attitudes they need to effectively address the challenges and opportunities of today's internationalized and fast evolving business environment but also emerge as business leaders of tomorrow.

We strive to provide the best and most modern methods of instructions to our students. Our diligent and highly qualified faculty members ensure that our curriculum is consistently updated in order to reflect and keep up with the ever evolving trends and techniques of the contemporary business world.

Please browse our webpages to see the range of degree programs and courses that are offered at CBA.

CBA Vision

To be the premier institution in the UAE providing cutting edge and socially responsible business education.

CBA Mission

To provide a contemporary business education in a diverse and culturally sensitive environment that fosters community engagement and enhances employability.

CBA Strategic Goals

1. Maintain and enhance a practice-oriented business curriculum that adheres to national and international quality standards.
2. Recruit, develop and maintain a qualified, productive and motivated faculty.
3. Promote research activities that apply business theory to a further understanding of the drivers and inhibitors in the practice of business.
4. Foster the development of a diverse student body in settings that respect our Arab heritage.
5. Develop strategic engagement initiatives that build sustainable ties with distinguished partners in the UAE and beyond.

CBA Core Values

CBA core values have been developed to be consistent with AU's mission and values. The core values of the CBA are in line with that of AU as presented in table 1 below.

The College of Business Administration (CBA) vision, mission, and core values have been derived from that of Ajman University. The following core values guide the College of Business Administration in the performance of its mission.

Excellence: Commit to excellence in our teaching, research and community service.

Student-Centered: Provide an experiential learning environment that fosters strong relationships and student success.

Diversity and Inclusion: Accept and respect human, social and cultural differences.

Social Responsibility: Promote citizenship skills and sustainable practices in the use of economic, ecological and social resources.

Continuous Learning: Instilling students with a desire to become life-long learners**.**

Integrity: Commit to individual and institutional integrity; Integrate the awareness of ethical issues into student learning activities.

Academic Programs

The college offers four bachelor programs and three MBA tracks, providing students with the theoretical and practical backgrounds that form an excellent foundation for satisfying career requirements or for subsequent graduate degree. The department's undergraduate programs have been reaccredited by the UAE Ministry of Education – Higher education Affairs, and the MBA programs are also accredited.

The four bachelor degree programs, Management, Accounting, Marketing and Finance each require four years of study. The Master of Business Administration program has three tracks, each of which takes two years of study: HR Management, Financial Management and Marketing.

CBA Undergraduate Programs

- Bachelor of Science in Accounting
- Bachelor of Science in Finance
- Bachelor of Science in Management
- Bachelor of Science in Marketing

CBA Graduate Programs

- MBA in Human Resources Management
- MBA in Financial Management
- MBA in Marketing

CBA Minors within the College of Business

- Minor in Accounting
- Minor in Finance

- Minor in Management
- Minor in Marketing

CBA Minors for Other Colleges

- Minor in Management to the College of Engineering & IT.
- Minor in Accounting to the Department of IT.
- Minor in Marketing to the College of Pharmacy.

CBA Departments

- Department of Accounting
- Department of Finance
- Department of Management
- Department of Marketing

Facilities

The college's current physical facilities, which include offices, labs and teaching rooms, sports grounds, health club and swimming pool are fully equipped to adequately meet its needs and are regularly upgraded. The library is regularly updated with the latest books in multiple fields and disciplines for the benefit of students and college members. IT facilities include:

- wireless internet connection, available in the university campus
- Internet labs available 14 hours per day
- multimedia facilities provided in all labs
- more than 12 business programs installed in the labs
- college computers connected through local and wide area networks

DEPARTMENT OF MANAGEMENT

The Department of Management offers a comprehensive and dynamic program leading to the Bachelor of Science in Management, which integrates multidisciplinary approaches to teaching and learning, utilizes the latest business and economic theories along with providing practical exposure to its students through real-life case studies and analysis of actual business data and presentations. The department focuses on building and enhancing students' essential skills, like, critical thinking, effective communication skills, business acumen and understanding of strategic models that are used in modern business world, in order to facilitate their entry into the global business arena as exceptional and professional managers and entrepreneurs.

Bachelor of Science in Management

Vision

To be a highly reputable management program providing quality management education and practicable knowledge within the region.

Mission

To equip students with cutting-edge business education that prepares them to be innovative, ethical and competent in communication, problem-solving and decision-making, ready to contribute to the development of the region and beyond.

Program Learning Outcomes (PLOs)

1. Demonstrate in-depth knowledge and understanding of theories, concept and principles used in business and management practices.
2. Apply concepts, techniques and ethical practices in decision-making and problem solving in business and management environment.
3. Acquire substantive management knowledge, and demonstrate competencies required by employers to practice quality management in different business types and functional area
4. Understand the fundamental concepts in business strategies, strategic management, innovation and global business management.
5. Apply and utilize information technology in managing different business sectors and enhancing organizational development and change
6. Develop critical thinking and innovative skills by applying business research concepts and processes into practice and writing research reports.

Alignment of Management PLOs with the QF Emirates

Program Learning Outcomes (PLOs)	Knowledge	Skills	Aspects of Competence		
			Autonomy & Responsibility	Role in Context	Self development
1. Demonstrate in-depth knowledge and understanding of theories, concept and principles used in business and management practices.		✓		✓	
2.Apply concepts, techniques and ethical practices in decision-making and problem solving in business and management environment.	✓		✓		✓
3. Acquire substantive management knowledge, and demonstrate competencies required by employers to practice quality management in different business types and functional area		✓	✓	✓	✓
4. Understand the fundamental concepts in business strategies, strategic management, innovation and global business management.	✓	✓		✓	
5. Apply and utilize information technology in managing different business sectors and enhancing organizational development and change		✓	✓	✓	✓
6. Develop critical thinking and innovative skills by applying business research concepts and processes into practice and writing research reports.	✓	✓		✓	✓

Admission Requirements

The normal admission requirement for an applicant is the UAE Secondary School Certificate (both sections), or an equivalent qualification, with a minimum average grade of 60 percent, & TOEFL certificate with a minimum score of 500.

Career Opportunities

Management is the art of getting things done by others. Hence, the need for future managers never stops, particularly for those who are equipped with the latest managerial knowledge skills and the ability to think analytically.

The Bachelor of Science in Management program has been carefully crafted to meet market demands qualitatively. The program is intended to produce graduates who will be efficient and effective managers able to achieve organizational objectives. AU management graduates have been well received in the job markets of the UAE and other Arabian Gulf countries for their outstanding teamwork, and creative and management leadership skills.

Graduation Requirements

Students will be awarded the Bachelor of Science in Management degree upon fulfillment of the following requirements:

- Successful completion of 126 credit hours, which normally takes eight semesters.
- 8 weeks of industrial internship (after the completion of 96 credit hours including seven major courses).
- A minimum Cumulative Grade Point Average of 2.0.

Degree Requirements

The BSc in Management degree requires the completion of 126 credit hours distributed according to the following plan:

Type of Courses	Credit Hours
1. **University General Education Requirements**	**24**
(a) University Required Courses	15
(b) University Elective Courses	9
2. **College Requirements**	**66**
(a) College Required Courses	54
(b) College Elective Courses	12
3. **Major Requirements**	**36**
(a) Major Required Courses	30
(b) Major Electives Courses	6
Total Credit Hours	**126**

(A) UNIVERSITY GENERAL EDUCATION REQUIREMENTS

(a) University Compulsory Courses (15 Credit Hours)

Course No.	Course Title	Cr. Hrs.	Prerequisite
ARB 111	Communication Skills in Arabic Language (For Arabs)	3	
ARB 112	Communication Skills in Arabic Language (For Non Arabs)		
ISH 211	Islamic Civilization (Arabic)	3	
ISL 114	Islamic Culture		
ISL 112	Islamic Culture (Non Arabs)		
INN 311	Innovation and Entrepreneurship	3	Earning 60 Cr. Hrs.

COM 111	IT Fundamentals	3	
STA 111	Statistics (Business)	3	

(b) University Elective Courses (9 Credit Hours)

Course No.	Course Title	Cr. Hrs.	Prerequisite
ARB 113	The Art of Written Expression (Arabic)	3	-
LAW 111	Legal Culture	3	-
ART 111	Introduction to Art (English)	3	-
ART 211	Introduction to Digital Photography	3	-
ART 112	Introduction to Aesthetics (English)	3	-
FRE 211	French Language	3	-
ISL 211	Introduction to Hadeeth and Sunna	3	-
ENG 113	Academic Writing (English)	3	-
ENG 211	The Art of Public Speaking (English)	3	-
AST 211	Astronomy	3	-
PHY 111	Physics	3	-
ENV 111	Environmental Science (English)	3	-
RES 211	Research Methodology (English)	3	-
ISH 111	History of Science in Islam	3	-
PIO 211	Scientific Pioneering	3	-
CHM 111	General Chemistry	3	-
NUT 111	Fundamental of Human Nutrition	3	-
AID 111	First Aid	3	-
BIO 111	General Biology	3	-
ENG 111	English Communication Skills	3	-
PSY 111	General Psychology	3	-
SOC 112	Communication between Cultures	3	-
THI 211	Critical Thinking (English)	3	-
EMS 111	Emirates Society (English)	3	-
INF 113	Library Information System	3	-

(B) COLLEGE REQUIREMENTS (66 Credit Hours)

a. College Compulsory Courses (54 Credit Hours)

	Course Title	Course Code	Prerequisites	Credit Hours
1	Statistics for Business	STA 231	STA 111	3
2	Business Research Method	MGT 312	MGT 200 & STA 231	3
3	Principles of Accounting I	ACC 200	-	3
4	Principles of Accounting II	ACC 220	ACC 200	3
5	Introduction to Management	MGT 200	-	3
6	Fundamentals of Finance	FIN 210	ACC 200	3
7	Microeconomics	ECO 200	-	3
8	Business Communication	MGT 311	MGT 200	3
9	Principles of Marketing	MKT 200	MGT 200	3
10	Business Law	MGT 301	MGT 200	3
11	Management Information Systems	MGT 401	MGT 200 & INT 300	3
12	Organizational Behavior	MGT 300	MGT 200	3
13	Macroeconomics	ECO 210	ECO 200	3
14	Data Base Management Systems	INT 300	COM 111	3
15	Quantitative Analysis	ECO 310	MTH 131 & STA 231	3
16	Supervised Training	MGT 470	96 Cr. Hrs. including 7 Major Courses	3
17	IT in Business	INT 103	COM111	3
18	Math for Management	MTH 131	-	3

College Requirements: Elective Courses (12 Credit Hours)

	Course Title	Course Code	Prerequisites	Credit Hours
1	Enterprise Resource Planning ERP	ACC 250	MGT 200 & ACC 200	3
2	Business Ethics	MGT 323	-	3
3	Economic Development of GCC	ECO 320	ECO 210	3
4	Managerial Economics	ECO 311	ECO 210	3
5	Public Relations	MGT 325	MGT311	3
6	Feasibility Studies & Proj Eval.	MGT 313	ECO 200 & FIN 210	3

7	Hospitality & Tourism	MKT 413	MKT 200	3
8	Social Media	MKT 423	MKT 200	3
9	Business English	MGT 201	-	3

MAJOR REQUIREMENTS (36 Credit Hours)

Major Obligatory Courses (30 Cr. Hrs.)

	Course Title	Course Code	Prerequisites	Credit Hours
1.	Production and Operations Management	MGT 211	MGT 200, STA231	3
2.	Human Resource Management	MGT 202	MGT 200	3
3.	Purchasing & Materials Management	MGT 221	MGT 211	3
4.	Management of Small Business	MGT 212	MGT 200	3
5.	Organization Theory and Design	MGT 320	MGT 300	3
6.	Total Quality Management	MGT 321	MGT 211	3
7.	Strategic Management	MGT 400	MGT 300,MKT 200,FIN 210	3
8.	International Business	MGT 411	MGT200,ECO 200	3
9.	Selected Topics in Management	MGT 421	MGT400	3
10.	Graduation Project	MGT 402	Completion 102 Cr. Hrs & MGT 312	3

Major Elective Courses (6 Cr. Hrs.)

No.	Course Title	Course Code	Prerequisites	Credit Hours
1	Project Management	MGT 422	MGT 200	3
2	Electronic Business	MGT 423	MGT 200, COM 111	3
3	Service Marketing	MKT 212	MKT 200	3
4	Personal Finance	FIN 322	FIN 210	3
5	Computer Applications in Management	MGT 322	MGT 200, COM 111	3

Four-Year Study Plan for Bachelor of Science in Management

Semester 1

Course No.	Course Title	Contact & Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ISL 114	Islamic Culture	3	0	1	3	-
ARB 111	Communication Skills in Arabic Language	3	0	0	3	-
STA 111	Statistics	2	2	0	3	-
COM111	IT Fundamentals	2	2	0	3	-
-	University Elective - 1	3	0	0	3	-
Total		13	2	1	15	

Semester 2

Course No.	Course Title	Contact & Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ECO 200	Microeconomics	3	0	0	3	-
MGT 200	Introduction to Management	3	0	0	3	
ACC 200	Principles of Accounting I	3	0	0	3	-
STA 231	Statistics for Business	3	0	0	3	STA 111
-	University Elective - 2	3	0	0	3	-
Total		15	0	0	15	

Semester 3

Course No.	Course Title	Contact & Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ACC 220	Principles of Accounting II	3	0	0	3	ACC200
MGT	Business Research Methods	3	0	0	3	STA231,MGT200
MKT 200	Principles of Marketing	3	0	0	3	MGT200
FIN 210	Fundamentals of Finance	3	0	0	3	ACC200
-	University Elective - 3	3	0	0	3	
Total		15	0	0	15	

Semester 4

Course No.	Course Title	Contact & Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
MTH 131	Math for Management	3	0	2	3	-
MGT 301	Business Law	3	0	0	3	MGT200
INT 300	DBMS	2	2	0	3	COM111
ECO 210	Macroeconomics	3	0	0	3	ECO200
INT 103	IT in Business	2	2	0	3	COM111
-	College Elective – 1	3	0	0	3	-
Total		16	4	2	18	

Semester 5

Course No.	Course Title	Contact & Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ECO 310	Quantitative Analysis	3	0	0	3	MTH131, STA231
MGT 211	Production and Operation Management	3	0	0	3	STA 111, MGT 200
MGT 202	Human Resource Management	3	0	0	3	MGT 200
MGT 311	Business Communication	3	0	0	3	MGT 200
-	College Elective – 2	3	0	0	3	
Total		15	0	0	15	

Semester 6

Course No.	Course Title	Contact & Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
MGT 221	Purchasing and Materials Management	3	0	0	3	MGT 211
MGT 411	International Business	3	0	0	3	ECO 210, MGT 200
	College Elective - 3	3	0	0	3	
MGT 401	MIS	3	0	0	3	MGT 200, INT 300
MGT 300	Organizational Behavior	3	0	0	3	MGT 200
INN 311	Innovation and Entrepreneurship	3	0	0	3	Earning 60 Cr. Hrs.
Total		18	0	0	18	

Semester 7

Course No.	Course Title	Contact & Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
MGT 400	Strategic Management	3	0	0	3	FIN 210, MGT 300, MKT200
MGT 321	Total Quality Management	3	0	0	3	MGT 211
MGT 470	Supervised Training	3	0	0	3	Earning 96 Cr. Hrs.
-	College Elective - 4	3	0	0	3	
-	Major Elective - 1	3	0	0	3	
Total		15	0	0	15	

Semester 8

Course No.	Course Title	Contact & Credit Hrs.				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
MGT 320	Organizational Theory & Design	3	0	0	3	MGT 200, MGT 300
MGT 402	Graduation Project	3	0	0	3	102 Cr. Hrs., MGT 312
MGT 421	Selected Topics in Management	3	0	0	3	MGT 400
MGT 212	Management of Small Business	3	0	0	3	MGT 200
	Major Elective - 2	3	0	0	3	-
Total		15	0	0	15	

DEPARTMENT OF ACCOUNTING

Accounting, described as “The Language of Business”, is the study of the concepts and techniques used in reporting on matters related to an entity’s financial status and performance. Entities compete in both input and product markets that is why accounting information is essential for managers to plan and control business activities. Information generated through the accounting process helps in communication and analysis of financial reports that are required for business decision-making.

Bachelor of Science in Accounting

Vision

To be a premier accounting program providing quality accounting education and practice in the UAE and beyond.

Mission

Provides rigorous accounting education and professional practice based on different skills, values, and competencies to enhance employability.

Program Learning Outcomes (PLOs)

1. Perform the steps of the accounting cycle, including preparing financial statements in accordance with international standards.
2. Acquire substantive accounting knowledge, and/or demonstrate competencies required by employers to ethically practice auditing and accounting in different functional areas.
3. Develop cost and managerial accounting information and use it to make decisions for internal company purposes and problem solving.
4. Prepare and communicate financial information for profit and not for profit organizations.
5. Apply and critically analyze accounting models to solve accounting problems through case analysis and writing research report.
6. Utilize information technology in making business decisions.

Alignment of Accounting PLOs with the QF Emirates

Program Learning Outcomes (PLOs)	Knowledge	Skills	Aspects of Competence		
			Autonomy & Responsibility	Role in Context	Self development
1. Perform the steps of the accounting cycle, including preparing financial statements in accordance with international standards.		✓		✓	
2. Acquire substantive accounting knowledge, and/or demonstrate competencies required by employers to ethically practice auditing and accounting in different functional areas.	✓		✓		✓
3. Develop cost other managerial accounting information and use it to make decisions for internal company purposes and problem solving.		✓	✓	✓	✓
4. Prepare and communicate financial information for profit and not for profit organizations.	✓	✓		✓	
5. Apply and critically analyze accounting models to solve accounting problems through case analysis and writing research report.		✓	✓	✓	✓
6. Utilize information technology in making business decisions.	✓	✓		✓	✓

Admission Requirements

The normal entry requirement is the UAE Secondary School Certificate, or an equivalent qualification, with a minimum average grade of 60 percent, & TOEFL certificate with a minimum score of 500.

Career Opportunities

A career in accounting offers the potential of a larger number of job openings than in many other disciplines. A qualification in accounting today opens the door to careers in business, NGOs and government units, preparing graduates for work in any of the following areas: financial reporting, public practice, strategic business planning, cost and management accounting, information systems, insolvency and reconstruction, accounting and finance consulting, and business analysis and evaluation. In addition to employment our graduates are equipped to pursue postgraduate study in accounting and finance as well as professional certification, for example CPA, CMA, CFA, ACCA and CIA.

Graduation Requirements

Students will be awarded the Bachelor of Science in Accounting degree upon fulfillment of the following requirements:

- Successful completion of 126 credit hours, which normally takes eight semesters.
- 8 weeks of industrial internship (after the completion of 96 credit hours including seven major courses)

- A minimum Cumulative Grade Point Average of 2.0.

Degree Requirements

The BSc in Accounting degree requires the completion of 126 credit hours distributed according to the following plan:

Type of Courses	Credit Hours
1. University General Education Requirements	**24**
(a) University Required Courses	15
(b) University Elective Courses	9
2. College Requirements	**66**
(a) College Compulsory Courses	54
(b) College Elective Courses	12
3. Major Requirements	**36**
(a) Major Compulsory Courses	33
(b) Major Electives Courses	3
Total Credit Hours	126

(A) UNIVERSITY GENERAL EDUCATION REQUIREMENTS

(a) University Compulsory Courses (15 Credit Hours)

Course No.	Course Title	Cr. Hrs.	Prerequisite
ARB 111	Communication Skills in Arabic Language (For Arabs)	3	
ARB 112	Communication Skills in Arabic Language (For Non Arabs)		
ISH 211	Islamic Civilization (Arabic)	3	
ISL 114	Islamic Culture		
ISL 112	Islamic Culture (Non Arabs)		
INN 311	Innovation and Entrepreneurship	3	Earning 60 Cr. Hrs.
COM 111	IT Fundamentals	3	
STA 111	Statistics (Business)	3	

(b) University Elective Courses (9 Credit Hours)

Course No.	Course Title	Cr. Hrs.	Prerequisite
ARB 113	The Art of Written Expression (Arabic)	3	-

LAW 111	Legal Culture	3	-
ART 111	Introduction to Art (English)	3	-
ART 211	Introduction to Digital Photography	3	-
ART 112	Introduction to Aesthetics (English)	3	-
FRE 211	French Language	3	-
ISL 211	Introduction to Hadeeth and Sunna	3	-
ENG 113	Academic Writing (English)	3	-
ENG 211	The Art of Public Speaking (English)	3	-
AST 211	Astronomy	3	-
PHY 111	Physics	3	-
ENV 111	Environmental Science (English)	3	-
RES 211	Research Methodology (English)	3	-
ISH 111	History of Science in Islam	3	-
PIO 211	Scientific Pioneering	3	-
CHM 111	General Chemistry	3	-
NUT 111	Fundamental of Human Nutrition	3	-
AID 111	First Aid	3	-
BIO 111	General Biology	3	-
ENG 111	English Communication Skills	3	-
PSY 111	General Psychology	3	-
SOC 112	Communication between Cultures	3	-
THI 211	Critical Thinking (English)	3	-
EMS 111	Emirates Society (English)	3	-
INF 113	Library Information System	3	-

(B) COLLEGE REQUIREMENTS (66 Credit Hours)

a. College Compulsory Courses (54 Credit Hours)

	Course Title	Course Code	Prerequisites	Credit Hours
1	Statistics for Business	STA 231	STA 111	3
2	Business Research Method	MGT 312	MGT 200 & STA 231	3

3	Principles of Accounting I	ACC 200	-	3
4	Principles of Accounting II	ACC 220	ACC 200	3
5	Introduction to Management	MGT 200	-	3
6	Fundamentals of Finance	FIN 210	ACC 200	3
7	Microeconomics	ECO 200	-	3
8	Business Communication	MGT 311	MGT 200	3
9	Principles of Marketing	MKT 200	MGT 200	3
10	Business Law	MGT 301	MGT 200	3
11	Management Information Systems	MGT 401	MGT 200 & INT 300	3
12	Organizational Behavior	MGT 300	MGT 200	3
13	Macroeconomics	ECO 210	ECO 200	3
14	Data Base Management Systems	INT 300	COM 111	3
15	Quantitative Analysis	ECO 310	MTH 131 & STA 231	3
16	Supervised Training	MGT 470	96 CH. including 7 Major Courses.	3
17	IT in Business	INT 103	COM111	3
18	Math for Management (GE)	MTH 131	-	3

College Requirements: Elective Courses (12 Credit Hours)

	Course Title	Course Code	Prerequisites	Credit Hours
1	Enterprise Resource Planning ERP	ACC 250	MGT 200 & ACC 200	3
2	Business Ethics	MGT 323	-	3
3	Economic Development of GCC	ECO 320	ECO 210	3
4	Managerial Economics	ECO 311	ECO 210	3
5	Public Relations	MGT 325	MGT311	3
6	Feasibility Studies & Proj. Eval	MGT 313	ECO 200 & FIN 210	3
7	Hospitality & Tourism	MKT 413	MKT 200	3
8	Social Media	MKT 423	MKT 200	3
9	Business English	MGT 201		3

(C) MAJOR REQUIREMENTS (36 Credit Hours)

Major Obligatory Courses (33 Cr. Hrs.)

	Course Title	Course Code	Prerequisites		Credit Hours
1	Intermediate Accounting I	ACC 310	ACC 220		3
2	Intermediate Accounting II	ACC 320	ACC 310		3
3	Cost Accounting	ACC 321	ACC 310		3
4	Managerial Accounting	ACC 322	ACC 220		3
5	Computerized Acct. Inf. Sys.	ACC 311	ACC 220		3
6	Governmental Accounting	ACC 312	ACC 220		3
7	Auditing	ACC 323	ACC 310		3
8	Accounting Theory	ACC 420	ACC 310		3
9	Advanced Accounting	ACC 410	ACC 320		3
10	Financial Mgt. & Control	ACC 421	ACC 410	ACC 322	3
11	Graduation Project	ACC 422	MGT 312	102 Cr. Hrs. & MGT 312	3

Major Elective Courses (3 Cr. Hrs.)

No.	Course Title	Course Code	Prerequisites	Credit Hours
1	Taxation Accounting	ACC 412	ACC 310	3
2	Contemporary Issues in Accounting	ACC 423	ACC 420	3
3	Oil & Gas Accounting	ACC 413	ACC 310	3
4	International Accounting	ACC 414	ACC 310	3
5	Advanced Auditing	ACC 411	ACC 311, ACC 323	3
6	Islamic Accounting	ACC 424	ACC 310	3

Four-Year Study Plan for Bachelor of Science in Accounting

Semester 1

Course No.	Course Name	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ISL 114	Islamic Culture	3	0	1	3	
ARB 111	Communication Skills in Arabic Language	3	0	0	3	
STA 111	Statistics	2	2	0	3	
COM 111	IT Fundamentals	2	2	0	3	
-	University Elective Course 1	3	0	0	3	
Total		14	2	1	15	

Semester 2

Course No.	Course Name	Contact & Credit Hrs				Prerequisite
		Lec.	Lab	Tut	Cr. Hrs.	
ECO 200	Microeconomics	3	0	0	3	
MGT 200	Introduction to Management	3	0	0	3	
ACC 200	Principles of Accounting I	3	0	0	3	
STA 231	Statistics for Business	3	0	0	3	STA 111
	University Elective Course 2	3	0	0	3	
Total		14	2	0	15	

Semester 3

Course No	Course Name	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ECO 210	Macroeconomics	3	0	0	3	ECO200
ACC 220	Principles of Accounting II	3	0	0	3	ACC 200
INT 103	IT in Business	2	2	0	3	COM 111
MKT 200	Principles of Marketing	3	0	0	3	MGT 200
FIN 210	Fundamentals of Finance	3	0	0	3	ACC 200
-	University Elective Course 3	3	0	0	3	
Total		15	0	4	18	

Semester 4

Course No	Course Name	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
MTH 131	Math for Management	3	0	2	3	
MGT 301	Business Law	3	0	0	3	MGT 200
ACC 310	Intermediate Accounting I	3	0	0	3	ACC 220
MGT 312	Business Research Methods	3	0	0	3	STA 231
MGT 311	Business Communication	3	0	0	3	MGT 200
-	College Elective – 1	3	0	0	3	
Total		17	2	2	18	

Semester 5

Course No	Course Name	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ECO 310	Quantitative Analysis	3	0	0	3	MTH 131 & STA 231
ACC 320	Intermediate Accounting II	3	0	0	3	ACC 310
INT 300	DBMS	2	2	0	3	COM 111
ACC 321	Cost Accounting	3	0	0	3	ACC 310
INN 311	Innovation & Entrepreneurship	3	0	0	3	Earning 60 Cr. Hrs.
-	College Elective – 2	3	0	0	3	-
Total		17	2	0	18	

Semester 6

Course No	Course Name	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ACC 322	Managerial Accounting	3	0	0	3	ACC 220
ACC 323	Auditing	3	0	0	3	ACC 320
ACC 312	Governmental Accounting	3	0	0	3	ACC 310
MGT 401	MIS	3	0	0	3	MGT 200 & INT 300
MGT 300	Organizational Behavior	3	0	0	3	MGT 200
-	College Elective – 3	3	0	0	3	-
Total		18	0	0	18	

Semester 7

Course No	Course Name	Contact & Credit Hrs				Prerequisite
		Lec.	Lab	Tut	Cr. Hrs.	
ACC 410	Advanced Accounting	3	0	0	3	ACC 320
ACC 311	Computerized Accounting Inf. Syst.	3	0	0	3	ACC 310 & COM 111
MGT 470	Supervised Training	3	0	0	3	96 Cr. Hrs including 7 Accounting courses
-	College Elective -4	3	0	0	3	-
Total		12	0	0	12	

Semester 8

Course No	Course Name	Contact & Credit Hrs				Prerequisite
		Lec.	Lab	Tut	Cr. Hrs.	
ACC 420	Accounting Theory	3	0	0	3	ACC 310
ACC 421	Financial Mgt. and Control	3	0	0	3	ACC 410 & ACC 322
ACC 422	Graduation Project	3	0	0	3	102 Cr. Hrs.
-	Major Elective	3	0	0	3	
Total		12	0	0	12	

DEPARTMENT OF MARKETING

According to statistics obtained from labor market research from around the world the field of marketing is expected to grow by more than 40 percent from 2010 to 2020. Employment growth will be managed by consistent use of data and market research across all industries in order to understand the needs and wants of customers and to measure the effectiveness of marketing and business strategies. The BSc Marketing degree program offered at AU provides education of international standard and caters to the needs of all the employment sectors locally, regionally and globally. The program provides students with a wide range of knowledge in the various functional areas of business, as well as prepares them with comprehensive knowledge of successful management of the marketing mix. This major not only produces capable individuals who can address the challenging issues of businesses and the dynamic market but it also equips students with the academic credentials required to pursue higher education in national and international universities.

Bachelor of Science in Marketing

Vision

To be the most desirable program in UAE and Mena region in the field of Business.

Mission

The mission of the marketing department is to provide quality education i.e. providing an education process of having decided what are the major areas that the students should understand and be able to do and qualities they should develop to be efficient and effective in his/her job endeavors. Accordingly, both structure and curricula are designed to achieve those capabilities and qualities.

Program Learning Outcomes (PLOs)

1. Demonstrate knowledge of conceptual and theoretical frameworks of marketing.
2. Analyze environmental factors and their impact on marketing activities.
3. Identify and analyze marketing opportunities and challenges facing an organization.
4. Analyze an organization's marketing strategy and identify appropriate and inappropriate marketing alternatives.
5. Exhibit an ability to collect, process, and analyze consumer data to make informed marketing decisions.

6. Analyze cases related to marketing mix, consumer behavior, social media, international marketing, marketing strategy and marketing research and draw lessons for marketing managers in the Middle East.
7. Demonstrate professional ability to collaborate and to communicate foundation concepts in personal, group and mass communication contexts.
8. Write and present a marketing plan based on sound regulatory framework and business ethics.

Alignment of Marketing PLOs with the QF Emirates

Program Learning Outcomes (PLOs)	Knowledge	Skills	Aspects of Competence		
			Autonomy and Responsibility	Role in Context	Self development
1. Demonstrate knowledge of conceptual and theoretical frameworks of marketing.	✓				
2. Analyze environment and their Impact on marketing activities				✓	
3. Identify and analyze marketing opportunities and challenges facing an organization.		✓			
4. Analyze an organization's marketing strategy and identify appropriate and inappropriate marketing alternatives.		✓			
5. Exhibit an ability to collect, process, and analyze consumer data to make informed marketing decisions.			✓		
6. Analyze cases related to marketing mix, consumer behavior, social media, international marketing, marketing strategy and marketing research and draw lessons for marketing managers in the Middle East.				✓	
7. Demonstrate professional ability to collaborate and to communicate foundation concepts in personal, group and mass communication contexts.				✓	
8. Write and present a marketing plan based on sound regulatory framework and business ethics.					✓

Admission Requirements

The normal entry requirement is the UAE Secondary School Certificate, or an equivalent qualification, with a minimum average grade of 60 percent, & TOEFL certificate with a minimum score of 500.

Career Opportunities

Graduates of the BSc in Marketing degree program are equipped for employment in marketing departments in the following sectors: government, multinational subsidiaries, national companies (especially those operating in distribution), manufacturing, advertising marketing research and social media. In addition, there are employment opportunities in the banking and hospitality sectors, the travel industry, insurance companies, advertising agencies, the media and other organizations that have marketing departments.

Graduation Requirements

Students will be awarded the Bachelor of Science in Marketing degree upon fulfillment of the following requirements:

- Successful completion of 126 credit hours, which normally takes eight semesters
- 8 weeks of industrial internship (after the completion of 96 credit hours including seven major courses).
- A minimum Cumulative Grade Point Average of 2.0

Degree Requirements

The BSc degree in Marketing requires the completion of 126 credit hours distributed according to the following plan:

Type of Courses	Credit Hours
1. **University General Education Requirements**	**24**
(a) University Required Courses	15
(b) University Elective Courses	9
2. **College Requirements**	**66**
(a) College Required Courses	54
(b) College Elective Courses	12
3. **Major Requirements**	**36**
(a) Major Required Courses	30
(b) Major Electives Courses	6
Total Credit Hours	**126**

(A) UNIVERSITY GENERAL EDUCATION REQUIREMENTS

(a) University Compulsory Courses (15 Credit Hours)

Course No.	Course Title	Cr. Hrs.	Prerequisite
ARB 111	Communication Skills in Arabic Language (For Arabs)	3	

ARB 112	Communication Skills in Arabic Language (For Non Arabs)		
ISH 211	Islamic Civilization (Arabic)	3	
ISL 114	Islamic Culture		
ISL 112	Islamic Culture (Non Arabs)		
INN 311	Innovation and Entrepreneurship	3	Earning 60 Cr. Hrs.
COM 111	IT Fundamentals	3	
STA 111	Statistics (Business)	3	

(b) University Elective Courses (9 Credit Hours)

Course No.	Course Title	Cr. Hrs.	Prerequisite
ARB 113	The Art of Written Expression (Arabic)	3	-
LAW 111	Legal Culture	3	-
ART 111	Introduction to Art (English)	3	-
ART 211	Introduction to Digital Photography	3	-
ART 112	Introduction to Aesthetics (English)	3	-
FRE 211	French Language	3	-
ISL 211	Introduction to Hadeeth and Sunna	3	-
ENG 113	Academic Writing (English)	3	-
ENG 211	The Art of Public Speaking (English)	3	-
AST 211	Astronomy	3	-
PHY 111	Physics	3	-
ENV 111	Environmental Science (English)	3	-
RES 211	Research Methodology (English)	3	-
ISH 111	History of Science in Islam	3	-
PIO 211	Scientific Pioneering	3	-
CHM 111	General Chemistry	3	-
NUT 111	Fundamental of Human Nutrition	3	-
AID 111	First Aid	3	-
BIO 111	General Biology	3	-
ENG 111	English Communication Skills	3	-
PSY 111	General Psychology	3	-

SOC 112	Communication between Cultures	3	-
THI 211	Critical Thinking (English)	3	-
EMS 111	Emirates Society (English)	3	-
INF 113	Library Information System	3	-

(B) COLLEGE REQUIREMENTS (66 Credit Hours)

a. College Compulsory Courses (54 Credit Hours)

	Course Title	Course Code	Prerequisites	Credit Hours
1	Statistics for Business	STA 231	STA 111	3
2	Business Research Method	MGT 312	MGT 200 & STA 231	3
3	Principles of Accounting I	ACC 200	-	3
4	Principles of Accounting II	ACC 220	ACC 200	3
5	Introduction to Management	MGT 200	-	3
6	Fundamentals of Finance	FIN 210	ACC 200	3
7	Microeconomics	ECO 200	-	3
8	Business Communication	MGT 311	MGT 200	3
9	Principles of Marketing	MKT 200	MGT 200	3
10	Business Law	MGT 301	MGT 200	3
11	Management Information Systems	MGT 401	MGT 200 & INT 300	3
12	Organizational Behavior	MGT 300	MGT 200	3
13	Macroeconomics	ECO 210	ECO 200	3
14	Data Base Management Systems	INT 300	COM 111	3
15	Quantitative Analysis	ECO 310	MTH 131 & STA 231	3
16	Supervised Training	MGT 470	96 Cr. Hrs. including 7 major courses	3
17	IT in Business	INT 103	COM 111	3
18	Math for Management	MTH 131	-	3

College Requirements: Elective Courses (12 Credit Hours)

	Course Title	Course Code	Prerequisites	Credit Hours
1	Enterprise Resource Planning ERP	ACC 250	MGT 200 & ACC 200	3
2	Business Ethics	MGT 323	-	3

3	Economic Development of GCC	ECO 320	ECO 210	3
4	Managerial Economics	ECO 311	ECO 210	3
5	Public Relations	MGT 325	MGT311	3
6	Feasibility Studies & Proj. Eval.	MGT 313	ECO 200 & FIN 210	3
7	Hospitality & Tourism	MKT 413	MKT 200	3
8	Social Media	MKT 423	MKT 200	3
9	Business English	MGT 201		3

(C) MAJOR REQUIREMENTS (36 Credit Hours)

Major Required Courses (30 Credit Hours)

	Course Title	Course Code	Prerequisites	Credit Hours
1.	Consumer Behavior	MKT 211	MKT 200	3
2.	Service Marketing	MKT 212	MKT 200	3
3.	Personal Selling	MKT 223	MKT 200 , MGT 311	3
4.	Advertising and Promotion	MKT 311	MKT 211	3
5.	Business to Business Marketing	MKT 312	MKT 200	3
6.	Product and Brand Management	MKT 326	MKT 200	3
7.	Marketing Research	MKT 411	STA 231, MKT 200	3
8.	International Marketing	MKT 412	MKT 200	3
9.	Marketing Management	MKT 424	MKT 211, MKT 411	3
10.	Graduation Project	MKT 425	Completion of 102 Cr. Hrs.	3

Major Elective Courses (6 Credit Hours)

No.	Course Title	Course Code	Prerequisites	Credit Hours
1	Computer Application in Marketing	MKT 224	MKT 200, COM 111	3
2	Selected Topics in Marketing	MKT 313	MKT 200	3
3	E-Marketing	MKT 314	MKT 200	3

4	Marketing Channels	MKT 325	MKT 200	3
5	Retail Marketing	MKT 327	MKT 200	3
6	Purchasing and Material Management	MGT 221	MGT 200 & MKT 200	3

Four-Year Study Plan for Bachelor of Science in Marketing

Proposed Sequence of Study

Semester 1

Course No	Course Title	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ISL 114	Islamic Culture	3	0	1	3	-
ARB 111	Communication Skills in Arabic Language	3	0	0	3	-
STA 111	Statistics (Business)	2	2	0	3	-
MGT 200	Introduction to Management	3	0	0	3	-
	University Elective - 1	3	0	0	3	-
Total		14	2	1	15	

Semester 2

Course No	Course Title	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
COM 111	IT Fundamentals	2	2	0	3	-
ACC 200	Principles of Accounting I	3	0	0	3	-
MKT 200	Principles of Marketing	3	0	0	3	MGT 200
STA 231	Statistics for Business	3	0	0	3	STA 111
	University Elective - 2	3	0	0	3	
Total		14	2	0	15	

Semester 3

Course No	Course Title	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ACC 220	Principles of Accounting II	3	0	0	3	ACC 200
ECO 200	Microeconomics	3	0	0	3	
MTH 131	Math for Management	3	0	2	3	

FIN 210	Fundamentals of Finance	3	0	0	3	ACC 200
MGT 312	Business Research Methods	3	0	0	3	STA 231 & MGT 200
Total		15	0	2	15	

Semester 4

Course No	Course Title	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
MGT 301	Business Law	3	0	0	3	MGT 200
MKT 326	Product & Brand Management	3	0	0	3	MKT 200
INT 103	IT in Business	2	2	0	3	COM 111
MGT 311	Business Communication	3	0	0	3	MGT 200
ECO 210	Macroeconomics	3	0	0	3	ECO200
	College Elective – 1	3	0	0	3	-
Total		17	2	0	18	

Semester 5

Course No	Course Title	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ECO 310	Quantitative Analysis	3	0	0	3	MTH 131 & STA 231
MKT 211	Consumer Behavior	3	0	0	3	MKT 200
INT 300	DBMS	2	2	0	3	COM 111
MKT 223	Personal Selling	3	0	0	3	MKT 200 & MGT 311
	College Elective – 2	3	0	0	3	-
	University Elective - 3	3	0	0	3	-
Total		17	2	0	18	

Semester 6

Course No	Course Title	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
MKT 411	Marketing Research	3	0	0	3	MKT 200 & STA 231
MKT 311	Advertising & Promotion	3	0	0	3	MKT 211
MKT312	Business to Business Marketing	3	0	0	3	MKT 200

MKT 212	Service Marketing	3	0	0	3	MKT 200
MGT 300	Organizational Behavior	3	0	0	3	MGT 200
	College Elective – 3	3	0	0	3	-
Total		18	0	0	18	

Semester 7

Course No	Course Title	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
MGT 401	MIS	3	0	0	3	MGT 200 & INT 300
MKT 424	Marketing Management	3	0	0	3	MKT 411 & MKT 211
INN 311	Innovation & Entrepreneurship	3	0	0	3	Earning 60 Cr.Hrs
MGT 470	Supervised Training	3	0	0	3	96 Hours including 7 major courses
	Major Elective -1	3	0	0	3	-
Total		15	0	0	15	

Semester 8

Course No	Course Title	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
MKT 412	International Marketing	3	0	0	3	MKT200
MKT 425	Graduation Project	3	0	0	3	Completion 102 Cr. Hrs & MGT 312
	College Elective – 4	3	0	0	3	
	Major Elective -2	3	0	0	3	
Total		12	0	0	12	

DEPARTMENT OF FINANCE

The BSc. in Finance degree program is designed to develop students' technical and critical thinking and to provide them with an in-depth understanding of financial theory, analytical financial instruments, and dynamics of financial markets. This major aims at simultaneously imparting all-inclusive functional area knowledge of business firms, for example, management, marketing, accounting and finance. The program prepares students for careers in finance in public, private, as well as non-profit organizations.

Bachelor of Science in Finance

Vision

To be the premier finance program providing quality finance education and practice in the UAE and beyond.

Mission

The mission of the B.Sc. in Finance program is to provide an educational experience that develops the student's global acumen related to finance and enhances critical thinking by integrating both quantitative and qualitative factors into business and financial decision making through community engagement.

Program Learning Outcomes (PLOs)

1. Apply principles of finance in decision-making.
2. Synthesize strands of knowledge for solving financial problems facing modern organizations.
3. Design and implement effective financial strategies for improving financial performance of organizations.
4. Critically analyze changing conditions of international environment and their impact on the design and implementation of financial strategies.
5. Apply ethics (including Islamic ethics) in financial decision-making.
6. Measure financial performance against the backdrop of ethical and professional standards.
7. Apply finance theory and principles in the Middle East situations through case studies and analysis.

Alignment of Finance PLOs with the QF Emirates

Program Learning Outcomes (PLOs)	Knowledge	Skills	Aspects of Competence		
			Autonomy and Responsibility	Role in Context	Self development
1. Apply principles of finance in decision-making		✓			✓
2. Synthesize strands of knowledge for solving financial problems facing modern organizations.	✓		✓	✓	
3. Design and implement effective financial strategies for improving financial performance of organizations.	✓	✓			✓
4. Critically analyze changing conditions of international environment and their impact on the design and implementation of financial strategies.	✓		✓		
5. Apply ethics (including Islamic ethics) in financial decision-making	✓		✓		
6. Measure financial performance against the backdrop of ethical and professional standards	✓	✓		✓	
7. Apply finance theory and principles in the Middle East situations through case studies and analysis.		✓			✓

Admission Requirements

The normal entry requirement for an applicant is the Secondary School Certificate, or an equivalent qualification, with a minimum average grade of 60 percent, & TOEFL certificate with a minimum score of 500.

Career Opportunities

The degree in finance adequately qualifies graduates for various corporate, financial, and management positions in areas such as Financial Analysis, Capital Budgeting, Cash and Risk Management, Portfolio Management, and Bank Management. It also prepares entrepreneurs operating their own business.

Graduation Requirements

Students will be awarded the Bachelor of Science in Finance degree upon fulfillment of the following requirements:

- Successful completion of 126 credit hours, which normally takes eight semesters.
- 8 weeks of industrial internship (after the completion of 96 credit hours including seven major courses).
- A minimum Cumulative Grade Point Average of 2.0

Degree Requirements

The BSc degree in Finance requires the completion of 126 credit hours distributed according to the following plan:

Type of Courses	Credit Hours
1. University General Education Requirements	**24**
(a) University Required Courses	15
(b) University Elective Courses	9
2. College Requirements	**66**
(a) College Required Courses	54
(b) College Elective Courses	12
3. Major Requirements	**36**
(a) Major Required Courses	30
(b) Major Electives Courses	6
Total Credit Hours	126

(A) UNIVERSITY GENERAL EDUCATION REQUIREMENTS

(a) University Compulsory Courses (15 Credit Hours)

Course No.	Course Title	Cr. Hrs.	Prerequisite
ARB 111	Communication Skills in Arabic Language (For Arabs)	3	
ARB 112	Communication Skills in Arabic Language (For Non Arabs)		
ISH 211	Islamic Civilization (Arabic)	3	
ISL 114	Islamic Culture		
ISL 112	Islamic Culture (Non Arabs)		
INN 311	Innovation and Entrepreneurship	3	Earning 60 Cr. Hrs.
COM 111	IT Fundamentals	3	
STA 111	Statistics (Business)	3	

(b) University Elective Courses (9 Credit Hours)

Course No.	Course Title	Cr. Hrs.	Prerequisite
ARB 113	The Art of Written Expression (Arabic)	3	-
LAW 111	Legal Culture	3	-

ART 111	Introduction to Art (English)	3	-
ART 211	Introduction to Digital Photography	3	-
ART 112	Introduction to Aesthetics (English)	3	-
FRE 211	French Language	3	-
ISL 211	Introduction to Hadeeth and Sunna	3	-
ENG 113	Academic Writing (English)	3	-
ENG 211	The Art of Public Speaking (English)	3	-
AST 211	Astronomy	3	-
PHY 111	Physics	3	-
ENV 111	Environmental Science (English)	3	-
RES 211	Research Methodology (English)	3	-
ISH 111	History of Science in Islam	3	-
PIO 211	Scientific Pioneering	3	-
CHM 111	General Chemistry	3	-
NUT 111	Fundamental of Human Nutrition	3	-
AID 111	First Aid	3	-
BIO 111	General Biology	3	-
ENG 111	English Communication Skills	3	-
PSY 111	General Psychology	3	-
SOC 112	Communication between Cultures	3	-
THI 211	Critical Thinking (English)	3	-
EMS 111	Emirates Society (English)	3	-
INF 113	Library Information System	3	-

(B) COLLEGE REQUIREMENTS (66 Credit Hours)

a. College Compulsory Courses (54 Credit Hours)

	Course Title	Course Code	Prerequisites	Credit Hours
1	Statistics for Business	STA 231	STA 111	3
2	Business Research Method	MGT 312	MGT 200 & STA 231	3
3	Principles of Accounting I	ACC 200	-	3

4	Principles of Accounting II	ACC 220	ACC 200	3
5	Introduction to Management	MGT 200	-	3
6	Fundamentals of Finance	FIN 210	ACC 200	3
7	Microeconomics	ECO 200	-	3
8	Business Communication	MGT 311	MGT 200	3
9	Principles of Marketing	MKT 200	MGT 200	3
10	Business Law	MGT 301	MGT 200	3
11	Management Information Systems	MGT 401	MGT 200 & INT 300	3
12	Organizational Behavior	MGT 300	MGT 200	3
13	Macroeconomics	ECO 210	ECO 200	3
14	Data Base Management Systems	INT 300	COM 111	3
15	Quantitative Analysis	ECO 310	MTH 131 & STA 231	3
16	Supervised Training	MGT 470	96 CH. including 7 major courses	3
17	IT in Business	INT 103	COM111	3
18	Math for Management	MTH 131	-	3

College Requirements: Elective Courses (12 Credit Hours)

	Course Title	Course Code	Prerequisites	Credit Hours
1	Enterprise Resource Planning ERP	ACC 250	MGT 200 & ACC 200	3
2	Business Ethics	MGT 323	-	3
3	Economic Development of GCC	ECO 320	ECO 210	3
4	Managerial Economics	ECO 311	ECO 210	3
5	Public Relations	MGT 325	MGT311	3
6	Feasibility Studies	MGT 313	ECO 200 & FIN 210	3
7	Hospitality & Tourism	MKT 413	MKT 200	3
8	Social Media	MKT 423	MKT 200	3
9	Business English	MGT 201		3

(C) MAJOR REQUIREMENTS (36 Credit Hours)

Major Obligatory Courses (30 Cr. Hrs.)

	Course Title	Course Code	Prerequisites	Credit Hours
1.	Corporate Finance	FIN 220	FIN 210	3
2.	Money and Financial System	FIN 221	ECO 210	3
3.	Financial Risk & Insurance	FIN 321	FIN 220	3
4.	Financial Planning and Control	FIN 311	FIN 220	3
5.	Commercial Banking	FIN 324	FIN 221	3
6.	Portfolio Management and Theory	FIN 420	FIN 411	3
7.	Financial Markets	FIN 411	FIN 210 & FIN 324	3
8.	International Finance	FIN 320	FIN 220	3
9.	Investments	FIN 410	FIN 321	3
10.	Graduation Project	FIN 424	102 Credit Hours + MGT 312	3

Major Elective Courses (6 Cr. Hrs.)

No.	Course Title	Course Code	Prerequisites	Credit Hours
1	Intermediate Accounting I	ACC 310	ACC 220	3
2	Personal Finance	FIN 210	FIN 210	3
3	Islamic Banking	FIN 421	FIN 324	3
4	Selected Topics in Finance	FIN 422	FIN 210	3
5	Computer Application in Finance	FIN 423	FIN 210 & COM 111	3

Four-Year Study Plan for Bachelor of Science in Finance

Semester 1

Course No.	Course Name	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ISL 114	Islamic Culture	3	0	1	3	
ARB 111	Communication Skills in Arabic Language	3	0	0	3	
STA 111	Statistics	2	2	0	3	
MGT 200	Introduction to Management	3	0	0	3	
-	University Elective Course 1	3	0	0	3	
Total		14	2	1	15	

Semester 2

Course No.	Course Name	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ECO 200	Microeconomics	3	0	0	3	
COM 111	IT Fundamentals	2	2	0	3	
ACC 200	Principles of Accounting I	3	0	0	3	
STA 231	Statistics for Business	3	0	0	3	STA 111
MGT 311	Business Communication	3	0	0	3	MGT 200
Total		14	2	0	15	

Semester 3

Course No	Course Name	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
ACC 220	Principles of Accounting II	3	0	0	3	ACC 200
MGT 312	Business Research Methods	3	0	0	3	STA 231 & MGT 200
FIN 210	Fundamentals of Finance	3	0	0	3	ACC 200
MKT 200	Principles of Marketing	3	0	0	3	MGT 200
	University Elective – 2	3	0	0	3	-
ECO 210	Macroeconomics	3	0	0	3	ECO 200
Total		18	0	0	18	

Semester 4

Course No	Course Name	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
INT 103	IT in Business	2	2	0	3	
FIN 220	Corporate Finance	3	0	0	3	FIN 210
MGT 300	Organizational Behavior	3	0	0	3	MGT 200
FIN 221	Money and Financial System	3	0	0	3	ECO 210
MGT 301	Business Law	3	0	0	3	MGT 200
MTH 131	Math For Management	3	0	0	3	-
Total		17	2	0	18	

Semester 5

Course No	Course Name	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
INT 300	Database Management	2	2	0	3	COM 111
ECO 310	Quantitative Analysis	3	0	0	3	MT H 131
FIN 324	Commercial Banking	3	0	0	3	FIN 221
FIN 311	Financial Planning and Control	3	0	0	3	FIN 220
INT 311	Innovation and Entrepreneurship	3	0	0	3	Earning 60 Cr. Hrs.
-	College Elective – 1	3	0	0	3	-
Total		17	2	0	18	

Semester 6

Course No	Course Name	Contact & Credit Hrs				Prerequisite
		Lec	Lab	Tut	Cr. Hrs.	
FIN 320	International Finance	3	0	0	3	FIN 220
	College Elective – 2	3	0	0	3	-
	University Elective – 3	3	0	0	3	-
FIN 321	Financial Risk & Insurance	3	0	0	3	FIN 220
MGT 401	Management Information Systems	3	0	0	3	MGT 200 & INT 300
	Major Elective – 1	3	0	0	3	-
Total		18	0	0	18	

Semester 7

Course No	Course Name	Contact & Credit Hrs				Prerequisite
		Lec.	Lab	Tut	Cr. Hrs.	
FIN 410	Investments	3	0	0	3	FIN 321
FIN 411	Financial Markets	3	0	0	3	FIN 210 & FIN 324
MGT 470	Supervised Training	3	0	0	3	96 Cr. Hrs including 7 major courses
	College Elective - 3	3	0	0	3	-
Total		12	0	0	12	

Semester 8

Course No	Course Name	Contact & Credit Hrs				Prerequisite
		Lec.	Lab	Tut	Cr. Hrs.	
	Major Elective - 2	3	0	0	3	
FIN 420	Portfolio Management and Theory	3	0	0	3	FIN 411
	College Elective - 4	3	0	0	3	
FIN 424	Graduation Project/Finance	3	0	0	3	102 Cr. Hrs. & MGT 312
Total		12	0	0	12	

Course Descriptions

Courses offered by the Management Department

MGT 200 Introduction to Management

This introductory course provides an overview of the field of management. The topics covered are designed around the key functions of management: planning, organizing, leading, and controlling. Students are exposed to the development of management theories and approaches, managerial decision-making, business environment, business ethics and social responsibility.

MGT 312 Business Research Methods

This course provides an introduction to research methods in social sciences in general and business administration in particular. The primary aim of the course is to equip students with the essential research techniques they would use in advanced specialized courses such as marketing research, feasibility studies and project planning, and the graduation project. The course will cover a range of topics including, in particular, research designs, sampling theory, data collection tools, questionnaire development and program evaluation methodology. The course will also cover basic data analysis methods involving both exploratory and hypothesis testing statistical techniques.

Pre-requisites: STA 321, MGT 200

MGT 311 Business Communications

The course aims to equip students with effective business communication skills, providing thorough practice in writing business letters, memos, reports, resumes and job applications. In addition to developing written communication, the course teaches verbal communication skills, for example public speaking, interviewing and other forms of communication. The entire teaching process is focused on building effective communication skills.

Pre-requisite: MGT 200

MGT 300 Organizational Behavior

This course surveys the background and development of organizational behavior, and examines major conceptual models in the field. A number of topics are explored in detail, including personality, perception, motivation, groups and teams, communication, leadership, conflict and negotiation, and organizational sources of stress and coping strategies. Issues relating to organizational change and development are given special attention.

Pre-requisite: MGT 200

MGT 301 Business Law

The aim of this course is to review basic legal principles and sources of contract law, background of law and legal theory. The following topics are covered in detail: formation of contracts, modifications, terminations, remedies, award law, pricing, patent, business organizations, company law, sales of goods, transfer of ownership rights, employment and health and safety laws.

Pre-requisite: MGT 200

MGT 401 Management Information Systems

This course provides an overview of computers and information processing. It covers the following topics in detail: management information system concepts, information processing applications, data handling process, data processing and automation, fundamentals of any system and system design, and development and implementation.

Pre-requisites: MGT 200, STA 231

MGT 323 Business Ethics

The aim of this course is to provide comprehensive and systematic coverage of a wide range of ethical issues in all functional areas of business. Using cases, vignettes and discussion points, the course will examine the ethical problems involved in real-life business situations. Some of the major topics to be covered include: ethical theory and business practice, corporate social responsibility, rights and obligations of employees and employers, ethical issues in international business, and social and economic justice.

Pre-requisite: MGT 200

MGT 325 Public Relations

The course represents a survey of the fundamental principles, tools and practices of the public relations profession in addition to the issues involved in designing and evaluating public relations programs to solve specific internal and external communication problems.

Pre-requisite: MGT 311

MGT 313 Feasibility Studies

Feasibility studies and project evaluation have become increasingly important, since they signal the success of any industrial, tourism or investment project. This course is designed to introduce students to the concepts and process of feasibility studies and project evaluation. It explains how to prepare feasibility studies and project evaluation, and how to benefit from them in the investment decision-making process. Feasibility studies and project evaluation depend on collecting and analyzing marketing, technical, administrative and financial data and information.

Pre-requisites: ECO 200, FIN 210

MGT 211 Production and Operations Management

This course is designed to cover the principles of production and operations management as they relate to both manufacturing and service operations. The course will examine the following topics: decision-making process, forecasting, operations strategy, production planning, scheduling, productivity, quality control, and future trends in production and operations management.

Pre-requisites: MGT 200, STA 111

MGT 202 Human Resource Management

The aim of this course is to survey the principles and practices in managing human resources. The course covers a number of basic topics, for example job analysis and job design techniques, human resource policies, human resource acquisition and maintenance strategies, recruitment, selection, development and training, compensation, health and safety issues and policies. The topics of labor relations and collective bargaining also receive careful attention.

Pre-requisite: MGT 200

MGT 411 International Business

This course covers a number of topics of both a general and specific nature. It examines the objectives and motives of international companies (MNCs) for operating internationally, and the strategies they use to achieve global presence. Special attention is given to the following topics: theories of international trade, domestic trade, free trade and protectionism, tariffs, foreign exchange, foreign direct investments (FDI), international financial institutions, international corporate planning and competitive strategies.

Pre-requisites: ECO 210, MGT 200

MGT 221 Purchasing and Materials Management

This course offers a survey of the principles and techniques used in purchasing and materials management. It examines the following topics: recognition of materials needs, the acquisition process and the overall supply management issues and policies. Within these broader topics, the course looks at techniques used in materials requirement planning, stock and inventory control, transportation, stores management, quality and quality assurance, JIT and TQM. The course also examines the purchasing and supply management processes and methods used by governments, non-profit and service organizations.

Pre-requisite: MGT 211

MGT 400 Strategic Management

This advanced course focuses on all aspects of the strategic management process, including decision-making, company objectives, strategies, implementation and outcome assessment. The course develops a thorough understanding among students of policy formulation and evaluation with special attention to the capabilities and competencies of a firm. The course also addresses issues relating to resource analysis and allocation techniques, and the management of strategic change.

Pre-requisites: FIN 210, MGT 300, MKT 200

MGT 320 Organizational Theory and Design

The primary aim of this course is to expose students to the evolution of organization theory, and the contribution of different schools of thought to the development of classical and contemporary theoretical perspectives. The topics of bureaucracy, power and politics, organizational structures

and technology, and emerging design options will be extensively examined. The course also looks at the issues of information and control, organizational renewal and learning, techno-structural change and adaptive capacity of organizations. Case studies and actual examples from a range of firms will be used to investigate the application of organization theory to management issues.

Pre-requisite: MGT 300

MGT 421 Selected Topics in Management

This is an advanced course in management. Its primary aim is to offer a more thorough examination of selected topics. The course instructor will select topics keeping in view students' interests and the availability of teaching material and resources. In general, an attempt will be made to include topics that have received little attention in other management courses, or topics in new areas that are not covered in the prescribed syllabus. The choice of topics is expected to vary from semester to semester.

Pre-requisite: MGT 400

MGT 212 Management of Small Business

The course is designed to answer the fundamental question that students and aspiring entrepreneurs often ask: how can I start and manage my own business? With this objective, the course discusses different types of businesses, legal organizations, accounting and financial requirements. Other topics covered in the course include: obtaining capital, controlling inventory, setting prices, staffing, marketing strategies, growth and expansion decisions and strategies.

Pre-requisite: MGT 200

MGT 321 Total Quality Management

This course offers an introduction to principles and philosophy of Total Quality Management. It draws upon the work of experts such as Edwards Deming, Joseph Juran, Philip Crosby and Genichi Taguchi to develop an understanding of the concepts of quality from the perspectives of customers and product/service organizations. The course also evaluates the criteria used in well-known quality awards (e.g., The Malcolm Balding National Quality Award, and ISO 9000, as well as local UAE quality awards), and reviews the performance of selected quality-award winning companies.

Pre-requisite: MGT 211

Courses Offered by the Accounting Department

ACC 200 Principles of Accounting I

Accounting is something that affects people in their personal lives just as much as it affects very large businesses. Financial accounting is concerned with the provision of accounting information to owners, investors and other external users. The term accounting may refer to different activities, for example collecting, recording, processing and communicating economic data to produce

useful accounting information. This course is a study of the fundamental principles and procedures of accounting as applied to sole proprietorships, partnerships and corporations.

ACC 220 Principles of Accounting II

The users of accounting information need complete and comparable information to assess company profitability and financial position. The course provides details on the preparation of financial statements (balance sheet, income statement, and statement of cash flow) as well as the accounting treatment of their components

Pre-requisite: ACC 200

ACC 310 Intermediate Accounting I

Like other human activities, accounting is largely a product of its environment. Therefore, accounting objectives are not the same today as they were in the past. To provide managers and other interested parties with useful information, they must know how this information can be generated. “Accountants must act as well as think,” therefore it is important for business administration students to understand how accounting reports are prepared, as well as why. The course places particular emphasis on valuation procedures and alternative accounting treatments of various assets and abilities.

Pre-requisite: ACC 220

ACC 320 Intermediate Accounting II

Like other human activities, accounting is largely a product of its environment. Therefore, accounting objectives are not the same today as they were in the past. To provide managers and other interested parties with useful information, they must know how this information can be generated. “Accountants must act as well as think,” therefore it is important for business administration students to understand how accounting reports are prepared, as well as why. The course places particular emphasis on valuation procedures and alternative accounting treatments of various assets and abilities.

Pre-requisite: ACC 310

ACC 322 Managerial Accounting

Managers in every organization are better equipped to perform their duties when they have a reasonable grasp of accounting data. Decision-making, which is “the choice of alternative courses of action” is the core of the management process, that depends ultimately on useful accounting information. This type of information will be provided through management accounting, which refers to accounting information developed for managers within an organization. The course is designed primarily for students who have studied basic accounting for two semesters. Emphasis is placed on accounting as a tool for planning and control.

Pre-requisite: ACC 220

ACC 312 Governmental Accounting

The aim of this course is to equip the students with the theory and practice of fund accounting in government units and not-for-profit organizations. In the process, the course discusses all issues related to the preparation of financial statements of the government units and non-profit organizations.

Pre-requisite: ACC 310

ACC 323 Auditing

Auditing is interdisciplinary in its scope and methodology, encompassing accounting theory and applications, legal aspects, managerial issues, environmental factors and computer processing. In its modern sense, an audit is a process whereby the accounts of business entities and managerial performance are subjected to scrutiny to develop an opinion on fairness of financial statements and effectiveness of management. The general concern of auditing could be derived from the famous statement of Confucius: “The aim of the superior man is truth.” This course is designed to introduce students to basic concepts and standards. Concentration is mainly on auditing standards, ethics, principles and procedures used by external auditors in conducting financial and managerial audit.

Pre-requisite: ACC 320

ACC 321 Cost Accounting

The relevance of information depends on the decision being made. Decision-making is essentially choosing among several courses of action. Accountants have an important role in the decision-making process, not as decision-makers but as collectors and reporters of relevant information. The accountant’s role in decision-making is primarily that of a technical expert on cost analysis, cost control and cost reduction, information that will lead to the best decision on production, marketing, profitability, performance evaluation, transfer pricing and capital budgeting. The study of the basic concepts and practical aspects of cost accounting is the primary concentration of this course.

Pre-requisite: ACC 310

ACC 410 Advanced Accounting

In most business combinations, one company acquires control over the net assets of another. The transfer of control from one group of owners to another affects the economic interests of many people, including the owners, managers, creditors and customers. Although the single proprietorship is the most common form of business in the Arab world, and although the corporate form of organization accounts for the largest volume of business, the partnership form is widely used by smaller business entities in the Arabian Gulf region. The study of partnership and consolidated financial statements is the primary concentration of this course. Fundamentals of fair value and equity accounting methods are reviewed.

Pre-requisite: ACC 320

ACC 411 Advanced Auditing

Many accounting students will choose a career in auditing, either in public accounting, private industry or government. These students need to acquire technical expertise and to understand the theoretical concepts underlying current auditing practice. This course is designed to acquaint the student of accounting with the advanced practical aspects of auditing procedures and techniques with reference to the method of their application in commercial, industrial and other profit making organizations, paying particular attention to assessment of risk, concept of internal control and assertions of assets and liabilities.

Pre-requisite: ACC 311, ACC 323

ACC 421 Financial Management and Control

This course aims to provide with an understanding of financial statements and the analytical tools available for use in properly managing and adding value to an organization. It focuses on analysis of financial and accounting information and its impact on financial decision-making and profit planning. The course uses some basic applications of statistics in analyzing the impact on financial markets and consequently setting up standards in the field of financial planning in order to ensure the financial stability.

Pre-requisites: ACC 322, ACC 410

ACC 420 Accounting Theory

Accounting theory is concerned with the models, hypotheses and concepts that together form the foundation for financial accounting practice. This course traces the historical development of accounting to gain an understanding of how we arrived at current practices, together with the social, political and economic influences on accounting standards.

Pre-requisite: ACC 410

ACC 311 Computerized Accounting Information Systems

The computerized accounting information system combines the skill sets of two areas experiencing rapid growth and change - accounting and information technology. Electronic commerce, direct-business-to-business communication, paperless work process and many other technology-intensive innovations have created new challenges and opportunities for accountants who also have expertise in information systems. Many traditional accounting functions are now embodied in systems that require a different combination of technical and financial knowledge. The CAIS course is designed to provide the combination of knowledge and skill sets to meet the new challenges and opportunities of the information technology world.

Pre-requisites: ACC 310

ACC 414 International Accounting

The global economy is best characterized by a new economic and corporate world in which national boundaries are losing their importance. Multinational and local firms need to be aware of

the linkages, ramifications, conditions and demands of the global economy. This course looks at how accounting information that reflects this international reality for both external and internal users can be produced. International accounting takes in all the technical accounting problems in financial accounting, cost accounting, management accounting and auditing that have a bearing on the conduct of foreign operations.

Pre-requisite: ACC 310

ACC 424 Islamic Accounting

This course provides a broad framework of the structure of Islamic accounting thought. The conceptual framework of accounting, accounting policy, operationalization of terms, financial reporting standardization of accounting practice and profit and loss sharing in Islam on the most controversial issues at the academic and professional levels.

Pre-requisite: ACC 310

ACC 413 Oil and Gas Accounting

Since the early 1970s, oil revenues have transformed the Arabian Gulf region into a modern sophisticated industrialized economy. Crude oil exports, which are the preserve of the Arabian Gulf region, remain the mainstay of economic activity. Oil and gas accounting is concerned with the models and concepts that together form the foundation and practice of financial and cost accounting for oil and gas industry.

Pre-requisite: ACC 310

ACC 412 Taxation Accounting

Managers of local and multinational corporations face different tax systems in different countries that require adequate tax planning and knowledgeable people in the field of taxation accounting. Taxation of business does vary from one country to another. Not only are tax rates different, but also opinions differ as to definitions of taxable income and types of taxes to be used.

Pre-requisite: ACC 310

Courses Offered by the Marketing Department:

MKT 200 Principles of Marketing

This introductory course sheds light on the basic concepts of marketing, its varied definitions, origins and evolution through time. It also covers the main components of the marketing program (product, price, place and promotion) on which any attempts to plan marketing efforts rest.

Pre-requisite: MGT 200

MKT 212 Service Marketing

The course explores the area of service marketing and identifies the main characteristics that set product and service marketing apart. As such the course represents an extension of the marketing management process beyond its traditional role in the physical products area.

Pre-requisite: MKT 200

MKT 411 Marketing Research

This course offers a closer review and examination of research techniques applicable to problem-solving and decision-making in marketing and other management fields. The course exposes the students to the complete research process starting with problem formulation and definition of key concepts and analytical techniques, data collection, analysis, interpretation and presentation of findings. Students are required to develop a major marketing research project using appropriate field techniques.

Pre-requisites: MKT 200, STA 231

MKT 211 Consumer Behavior

The course introduces students to the study of consumer behavior. In so doing, the course borrows key concepts and theories from the behavioral sciences and examines their relevance and usefulness in understanding shopping behavior. Specifically the course traces those forces that shape, constrain and color consumer's buying decisions and their implications for mapping out marketing strategies.

Pre-requisite: MKT 200

MKT 311 Advertising and Promotion

The prime focus of this course is on the communication function of marketing which is known in the marketing literature as the promotional mix, i.e. advertising, public relations, sales promotion and personal selling. As such the course provides an understanding as to how these variables interact in an integrated field.

Pre-requisite: MKT 211

MKT 325 Marketing Channels

The course follows an institutional approach to marketing by concentrating on the main institutions which are involved in making goods and services available for use and consumption. Given such a premise, the course sheds light on these institutions and dwells on their nature, types, history, functions and patterns of development.

Pre-requisite: MKT 200

MKT 312 Business-to-Business Marketing

The focus of this course is on studying and analyzing the unique aspects of marketing goods and services to organizational buyers rather than to ultimate consumers. Towards this end the course constitutes a description and analysis of the institutions and functions of business markets.

Pre-requisite: MKT 200

MKT 412 International Marketing

The interdependence among countries has forced business organizations to practice marketing beyond domestic boundaries. This course addresses this issue and endeavors to expose the students to international marketing and the application of marketing techniques and strategies in a global environment.

Pre-requisite: MKT 200

MKT 424 Marketing Management

This is the capstone course in the marketing major. It is intended to help the students integrate the knowledge he acquired in other marketing courses. As such, it is a managerial decision-making process aimed at matching organizational strengths with market opportunities. The course looks at the relationships between the customer, competition and the company. It explores ways for the company to differentiate itself from competition by providing superior value to the customer.

Pre-requisites: MKT 211, MKT 411

MKT 224 Computer Applications in Marketing

The course represents an attempt to explore the potential of certain computerized software and programs in summarizing, organizing, interpreting and analyzing marketing data, in addition to the use of a host of advanced statistical packages in predicting specific marketing phenomena.

Pre-requisite: COM 111, MKT 200

MKT 314 Electronic Marketing

The course introduces students to the Internet and Internet marketing, in a sense enabling them to use the Internet to market goods and services worldwide. Towards this end students will learn how to create and publish web pages, develop Web marketing skills, promote and sell products over the World Wide Web.

Pre-requisite: MKT 200

MKT 326 Product and Brand Management

The product (and/or service) plays a central role in the activities of all organizations for it is the medium through which they seek to achieve their objectives and at the same time satisfy their customers. This course is designed to shed light on issues relevant to product and brand

management processes. Specifically the course focuses on two major problems: the development and introduction of new products/brands from the idea inception to commercialization, and the marketing of existing brands with emphasis on building, measuring and managing brand equity.

Pre-requisite: MKT 200

MKT 327 Retail Marketing

The course provides an overview of the field of retailing and endeavors to familiarize the student with the basic concepts and issues that are deemed pertinent in today's world of retailing and retail marketing. These include, but are not limited to, the nature and structure of retail industry, the determinants of successful retail marketing strategies and the fundamental principles of sound retail management.

Pre-requisite: MKT 200

MKT 313 Selected Topics in Marketing

This course caters for specific issues, topics and recent developments in marketing thought and practice that are new or controversial in nature and that have not adequately covered or addressed in other marketing courses.

Pre-requisite: MKT 200

MKT 223 Personal Selling

This course focuses on familiarizing students with the concepts, theory and practice of personal selling. Through emphasis on professional salesmanship, the course deals with interpersonal communication and understanding consumer motivation for buying as the foundation to effective selling.

Pre-requisite: MKT 200, MGT 311

Courses Offered by the Finance Department

FIN 210 Fundamentals of Finance

This introductory course discusses in detail basic terms commonly used in finance. Topics covered include functions of financial management, financial analysis and planning, working capital management, the capital budgeting process and long term financing.

Pre-requisite: ACC 200

FIN 220 Corporate Finance

This course introduces financial issues from the corporate point of view. It includes the concept of net present value (NPV) and valuation of future cash flows. The course extends to the application of NPV in the capital budgeting decisions. The course covers the risk-return concept with the help of CAPM and APT theories. It also highlights long-term financial planning and capital structure decisions.

Pre-requisite: FIN 210

FIN 221 Money and Financial System

This course is designed to introduce basic economic and financial concepts related to money, banking and financial systems. It uses basic economic principles to introduce the structure of financial markets, financial institution management, the foreign exchange markets, the internationalization of financial markets and the role of monetary policy in the economy. This course offers students a balanced picture of the interactions between money, the financial system and the economy.

Pre-requisite: ECO 210

FIN 311 Financial Planning and Control

This course provides an understanding of financial statements and the analytical tools available for use in properly managing and adding value to an organization. It focuses on analysis of financial and accounting information and its impact on financial decision-making and profit planning. The course uses some basic applications of statistics in financial planning in order to ensure corporate financial stability.

Pre-requisite: ACC 220, FIN 210

FIN 324 Commercial Banking

This commercial bank management course will equip the students with good grounding in the banking industry by teaching both the theory and practice of commercial banking. It focuses on the dynamic and rapidly changing financial-services industry; it explores modern financial management decision-making and highlights the importance of adapting to change and creating value as the way for financial institutions to succeed. The following areas are explained: introduction to bank management, strategic and financial management and the measurement of bank performance, the portfolio risks of banking and their management, managing the bank lending functions, and capital adequacy in banking institutions.

Pre-requisite: FIN 221

FIN 411 Financial Markets

This course is designed to build an understanding of financial markets, institutions and market participants. The coverage includes various types of financial markets like foreign exchange markets, stock markets, derivative markets and bond markets. The specific topics covered include the determination of interest rates; fixed income securities, mortgages, foreign exchange, futures, options, and money markets; commercial banks, savings banks, and credit unions; insurance companies, securities firms, finance companies, mutual funds, and pension funds. It also studies financial institution and market regulation, past and present banking crises, management and hedging of risk, central banking and monetary policy.

Pre-requisite: FIN 210, FIN 324

FIN 320 International Finance

This course is designed to introduce an overview of the environment of global finance, the international dimension of corporate finance, balance of payments and exchange market, the international monetary system, political risk, international cash management, international portfolio diversification, foreign direct investment and international and other developmental international financial issues.

Pre-requisite: FIN 220

FIN 422 Selected Topics in Finance

The primary aim of this course is to offer a more thorough examination of selected topics. The course instructor will select topics keeping in view topics of current interest and the availability of teaching material and resources. The choice of topics is expected to vary from semester to semester. In general, the course caters for specific issues, topics and recent developments in financial thought and practice that are new or controversial in nature and that have not been adequately covered or addressed in other finance courses.

Pre-requisite: FIN 210

FIN 410 Investments

This course develops advanced analytical and managerial skills in the field of investments. The topics covered include risk and returns, the analysis of different types of securities, basics of portfolio theory, modern investment theory, and portfolio selection and management. The course helps students learn how to make good investment decisions, recognize investment problems and deal with them.

Pre-requisite: FIN 321

FIN 423 Computer Applications in Finance

This course will equip students with the skills required to apply their acquired finance knowledge using computer applications and available software, like EXCEL. The following topics are covered using computers: accounting primer, cash management, financial ratios analysis, break-even analysis, EPS, P/E ratio, taxation, time-value of money, interest/discount rates, capital budgeting, PV, FV, NPV, IRR, loan repayment schedule, dividends, measurement of risk and returns, valuation of securities, cost of capital, credit-scoring models, yield measurement, and advanced models in finance.

Pre-requisites: COM 111, FIN 210

FIN 322 Personal Finance

This personal finance course equips the student with financial knowledge and tools to maximize financial resources over an individual's lifetime. This course discusses the latest financial planning tools and techniques that enable an individual to achieve his/her financial goals. Financial and

personal satisfaction is the result of an organized process referred to as personal money management, which is the focus of this course.

Pre-requisite: FIN 210

FIN 421 Islamic Banking

This course will equip students with a firm grounding in the banking industry. It teaches the theory and practice of Islamic banking within the backdrop of conventional banking. Focusing on the dynamic and rapidly changing financial services industry, it explores modern financial engineering for financial product development that is Shari'ah-compliant. The following areas are covered; introduction to Islamic economy and Islamic financial system, Islamic financial instruments, the measurement of bank performance, management of Islamic banks' investment risk, Shari'ah-compliant management of bank financing functions, bank capital (theory, management and regulation), financial innovations, Information technology, and corporate restructuring in the financial services industry.

Pre-requisite: FIN 324

FIN 420 Portfolio Management and Theory

This course is designed to introduce an overview of portfolio management, more specifically securities and security analyses, risk and return, environment analyses, company analyses, bond analyses, options, rights, warrants and convertibles, futures, efficient-market theory, portfolio analyses and selection, capital market theory, managed portfolios and performance measurements.

Pre-requisite: FIN 411

FIN 321 Financial Risk and Insurance

This course explores various types of corporate and financial risks, analyzes them, and identifies methods to control them. Specific issues covered include risk identification and measurement, risk analysis and management, and relevance of corporate risk management from shareholders' value point of view. It also deals with the main tool to diffuse risk, i.e., insurance, describing the mechanics of insurance contracts and their pricing, risk pooling and risk diversification, and risk hedging with derivative contracts.

Pre-requisite: FIN 220

ECO 200 Microeconomics

This course is designed to introduce basic economic concepts related to individual decision-makers in the economy - households, businesses and governments - and how they interact. Meaning, nature and methods of economic study are introduced. Supply, demand and elasticity are used to analyze consumer and firm behaviors in different types of markets. The rationale for various public policies designed to modify the workings of markets is examined.

ECO 210 Macroeconomics

This course is designed to introduce basic economic concepts related to aggregate economic relationships such as output and income, national income accounting, aggregate supply and aggregate demand, unemployment, inflation, economic growth and development, money and banking, and the international economy. The course emphasizes the main components of aggregate expenditure and determination of equilibrium level of income, in addition to the analysis of the effects of fiscal and monetary policies on the economy. It extends understanding of the ability of governments to influence economic performance.

Pre-requisite: ECO 200

ECO 310 Quantitative Analysis

The aim of this course is to review basic quantitative methods used in business decision-making. The major focus of the course will be on decision-making under uncertainty and certainty such as linear programming. Some of the specific topics to be covered will include: problem formulation, graphic solutions and different forms of linear programming such as transportation and assignment models, queuing theory, decision analysis, inventory systems and forecasting.

Pre-requisites: MTH 131, STA 231

ECO 311 Managerial Economics

This course is designed to acquaint students of business administration with the economics of managerial decision-making, paying special attention to the criteria for rational decision making in private business, non-profit institutions and public agencies. The course emphasizes the application of economic theory and the tools of decision science to examine how an organization can achieve its objectives most efficiently. It is an application of economic theory and analysis to the managerial decision-making process.

Pre-requisites: ECO 200

ECO 320 Economic Development of GCC

This course is designed to introduce the concepts, measurements and theories of broad-based sustainable development, as well as the relationships between economic development, human development and environment. Students will also become familiar with several theories of development, and the characteristics and the quality of life in GCC countries will be investigated and compared to those of other countries. The focus would be on the causes, problems and challenges associated with the development of GCC countries, such as population structure and localization policies, the feasibility of GCC states integration and the impact of oil and non-oil production on development.

Pre-requisite: ECO 210

MGT 402, ACC 422, MKT 425, FIN 424 Graduation Project

This course takes the form of a dissertation completed by graduating students in partial fulfillment of BSc in Management, Accounting, Marketing and Finance degree programs. Students choose an appropriate research project, justify it, work out the research methodology, and analyze, synthesize and evaluate information, then communicate significant knowledge and understanding. The proposed research should be related to the program. An academic advisor is assigned to advise the student at various stages of the research project. This course culminates in the preparation of a dissertation by each student. The course is an integral part of the curriculum, designed to train students to undertake scientific research and bridge the gap between theory and practice in management, accounting, marketing or finance.

Pre-requisite: 102 credit hours, MGT 312

MGT 470 Supervised Training

After the completion of 96 credit hours, including seven major core courses. The aim of supervised training is to enable students to practice the learnt theories and concepts in a business organization. Students from any business discipline undergo a training period that is closely monitored by an instructor and the manager/supervisor of the organization to ensure that the student cultivates sound professional attitudes and ethics needed in work places.

CBA Minors

CBA Minors within the College of Business

- Minor in Accounting
- Minor in Finance
- Minor in Management
- Minor in Marketing

CBA Minors for Other Colleges

- Minor in Management to the College of Engineering & IT
- Minor in Accounting to the Department of IT.
- Minor in Marketing to the College of Pharmacy

Important Information

- Minors are open to students from outside College of Business Administration and to College of Business Administration students pursuing minor in disciplines other than the discipline of their major.

- College of Business Administration students may pursue only two minors offered within the College of Business Administration.
- A grade of at least C in each course and a GPA of at least 2.00 must be earned in courses taken to satisfy the minor.
- Minor Requirements (9 credits).
- Minor Electives (minimum of 6 credits).

Structure of the Minor Programs

Minor Programs offered by Business Administration College

1. Department of Management

- Minor for Business Administration College ONLY
  Management for non-Management Students: 15 Credit Hours

Compulsory Courses* (9 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	MGT 202	Human Resource Management	3	0	0	**3**	MGT 200
☐	MGT 411	International Business	3	0	0	**3**	MGT 200 & ECO 210
☐	MGT 422	Project Management	3	0	0	**3**	MGT 200

Optional Courses* (6 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	MGT 211	Production and Operations Management	3	0	0	3	MGT200,STA111
☐	MGT 322	Computer Applications in Management	2	2	0	3	COM111,MGT200
☐	MGT 320	Organizational Theory and Design	3	0	0	3	MGT 300

A compulsory course which is part of the student's major must be replaced by another optional course. An optional course which is part of the student's major cannot be taken.

Minor Program offered for Engineering College

☐ **Minor Programs in Management Offered by Business Administration College**
15 Credit Hours

Compulsory Courses* (9 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	MGT 200	Introduction to Management	3	0	0	3	
☐	MGT 422	Project Management	3	0	0	3	MGT 200
☐	MGT 300	Organization Behavior	3	0	0	3	MGT 200

Optional Courses* (6 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	MGT 211	Production & Operations Management	3	0	0	3	MGT200
☐	MGT 322	Computer Applications in Management	2	2	0	3	MGT200
☐	MGT 320	Organization Theory & Design	3	0	0	3	MGT 200

2. Department of Accounting

Minor Programs offered by Business Administration College

Minor for Business Administration College ONLY

- Accounting for non-Accounting Students: 15 Credit Hours

Compulsory Courses* (9 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	ACC 310	Intermediate Accounting I	3	0	0	3	Principles of Accounting II ACC 220
☐	ACC 322	Managerial Accounting	3	0	0	3	Principles of Accounting II ACC 220
☐	ACC 321	Cost Accounting	3	0	0	3	Principles of Accounting II ACC 220

Optional Courses* (6 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	ACC 312	Governmental Accounting	3	0	0	3	Principles of Accounting II ACC 220
☐	ACC 412	Taxation Accounting	3	0	0	3	Principles of Accounting II ACC 220
☐	ACC 311	Computerized Acc. Info. Sys.	2	2	0	3	Principles of Accounting II ACC 220
☐	ACC 413	Oil & Gas Accounting	3	0	0	3	Principles of Accounting II ACC 220
☐	ACC 323	Auditing	3	0	0	3	Principles of Accounting II ACC 220

A compulsory course which is part of the student's major must be replaced by another optional course. An optional course which is part of the student's major cannot be taken.

Minor offered for the Department of IT.

15 Credit Hours

☐ **Minor in Accounting for**

- **Information Technology/ Network & security**
- **Information Technology/ Database and Web system**

Compulsory Courses* (9 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	ACC 220	Principles of Accounting II	3	0	0	3	Principles of Accounting I ACC 200
☐	ACC 310	Intermediate Accounting I	3	0	0	3	Principles of Accounting II ACC 220
☐	ACC 322	Managerial Accounting	3	0	0	3	Principles of Accounting II ACC 220

Optional Courses* (6 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	ACC 320	Intermediate Accounting II	3	0	0	3	Intermediate Accounting I ACC 310
☐	ACC 321	Cost Accounting	3	0	0	3	Principles of Accounting II ACC 220
☐	ACC 312	Governmental Accounting	3	0	0	3	Principles of Accounting II ACC 220
☐	ACC 250	Enterprise Resources Planning	2	2	0	3	Principles of Accounting I ACC 200

Minors offered for Department of IT.

☐ **Minor in Accounting for**

- **Information System/ E Business Management**
- **Information System/ Project Management**

Compulsory Courses* (9 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	ACC 220	Principles of Accounting II	3	0	0	3	Principles of Accounting I ACC 200
☐	ACC 220	Intermediate Accounting I	3	0	0	3	Principles of Accounting II ACC 220
☐ ☐	ACC 311	Computerized Acc. Information System	2	2	0	3	Principles of Accounting II ACC 220

Optional Courses* (6 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	ACC 322	Managerial Accounting	3	0	0	3	Principles of Accounting II ACC 220
☐	ACC 321	Cost Accounting	3	0	0	3	Principles of Accounting II ACC 220
☐	ACC 312	Governmental Accounting	3	0	0	3	Principles of Accounting II ACC 220
	ACC 250	Enterprise Resources Planning	2	2	0	3	Principles of Accounting I ACC 200

3. Department of Marketing

Minor for Business Administration College ONLY

☐ **Marketing for non-Marketing students:** 15 Credit Hours

The Study Plans of Minor Programs

Compulsory Courses* (9 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	MKT 211	Consumer behavior	3	0	0	3	Principles of Marketing MKT 200
☐	MKT 411	Marketing Research	3	0	0	3	Principles of Marketing MKT 200
☐	MKT 223	Personal Selling	3	0	0	3	Principles of Marketing MKT 200

Optional Courses* (6 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	MKT 327	Retail Marketing	3	0	0	3	Principles of Marketing MKT 200
☐	MKT 325	Marketing Channel	3	0	0	3	Principles of Marketing MKT 200
☐	MKT 224	Computer Application in Marketing	2	2	0	3	Principles of Marketing MKT 200
☐	MKT 326	Product and Brand Management	3	0	0	3	Principles of Marketing MKT 200
☐	MKT 423	Social Media Marketing	3	0	0	3	Principles of Marketing MKT 200
	MKT 312	Business to Business Marketing	3	0	0	3	Principles of Marketing MKT 200

A compulsory course which is part of the student's major must be replaced by another optional course. An optional course which is part of the student's major cannot be taken

Minor Program for Pharmacy and Health Sciences College

- Minor in Marketing: 15 credit hours.

Compulsory Courses* (9 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	MGT 200	Introduction to Management	3	0	0	3	
☐	MKT 200	Principles of Marketing	3	0	0	3	MGT 200
☐	MKT 212	Service Marketing	3	0	0	3	Principles of Marketing MKT 200

Optional Courses* (6 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	MKT 327	Retail Marketing	3	0	0	3	Principles of Marketing MKT 200
☐	MKT 224	Computer Application in Marketing	2	2	0	3	Principles of Marketing MKT 200
☐	MKT 211	Consumer Behavior	3	0	0	3	Principles of Marketing MKT 200
☐	MKT 423	Social Media Marketing	3	0	0	3	Principles of Marketing MKT 200
☐	MKT 325	Marketing Channels	3	0	0	3	Principles of Marketing MKT 200

4. Department of Finance

Minor for Business Administration College ONLY

- Finance for non-Finance Students: 15 Credit Hours

Compulsory Courses* (9 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	FIN 221	Money and Financial System	3	0	0	3	ECO 210
☐	FIN 220	Corporate Finance	3	0	0	3	FIN 210
☐	FIN 311	Financial Planning & Control	3	0	0	3	FIN 210

Optional Courses* (6 Credit Hours)

Add	Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
☐	FIN 322	Personal Finance	3	0	0	3	FIN 210
☐	FIN 320	International Finance	3	0	0	3	FIN 220
☐	FIN 321	Financial Risk & Insurance	3	0	0	3	FIN 220
☐	FIN 324	Commercial Banking	3	0	0	3	FIN 221
☐	FIN 421	Islamic Banking	3	0	0	3	FIN 324

A compulsory course which is part of the student's major must be replaced by another optional course. An optional course which is part of the student's major cannot be taken

*Students within the college of business administration (CBA) cannot take the same courses as students from other colleges since these courses are in their study plans for their major. For example, *Introduction to Management (MGT 200), Principles of Accounting I (ACC 200), Organizational Behaviour (MGT 300), Principles of Marketing (MKT 200),* and *Principles of Accounting II (ACC 200)* are mandatory courses for all students pursuing different majors in CBA. Overall, CBA students are required to take 54 credit hours as part of their major study plans.

**On the other hand, students from other colleges do not take the same courses for their major programs. The courses offered to students from other colleges are thus not part of their major program study plans. This explains the apparent differences in the course offerings for CBA students and those for non-CBA students.

College of Dentistry

The College of Dentistry (COD) was established in academic year 1997-1998 as the first oral and dental health teaching institution in the United Arab Emirates. The college's programs are tailored to meet the oral and dental health needs of the UAE community, focusing on the prevention of oral and dental disease.

Mission

The College of Dentistry reflects the mission of Ajman University to provide dental educational programs in the UAE, to initiate and develop basic and clinical research and to offer high quality oral healthcare to meet the needs of the region. The College of Dentistry aims to prepare graduates who are highly qualified in dental sciences to deliver compassionate and ethical orofacial healthcare services.

Objectives

The College of Dentistry aims to:

- educate and train a new generation of oral health professionals to world-class standards
- implement a comprehensive oral healthcare program with emphasis on prevention
- provide community dentistry services that meet world-class standards
- initiate scientific research in oral health in collaboration with prestigious international dental and medical institutions, and companies related to dentistry

Degree Programs

The College of Dentistry currently offers the following undergraduate dental program which is accredited by the UAE Ministry of Education – Higher Education Affairs:

1. Doctor of Dental Surgery (DDS) - 5 year program

Facilities

The College of Dentistry is equipped to deliver world class dental education. Spacious lecture halls with audio-visual and video conferencing facilities provide students with an exciting learning experience. State-of-the-art laboratories with the latest medical and dental education equipment enhance students' knowledge and skills. The college's dental clinics have a contemporary design with modern dental units and x-ray rooms, and are provided with the latest dental materials, instruments and equipment. Free-of-charge comprehensive dental treatment for all patients ensures a regular flow of dental cases for clinical training, skills development and research requirements during the clinical phase of dental education programs.

Doctor of Dental Surgery (DDS) Degree Program

This is a five-year undergraduate program leading to the degree of Doctor of Dental Surgery (DDS). The study program and curriculum is at par with that of renowned international universities and dental institutes.

Program Objectives

The DDS program aims to:

1. educate and train a new generation of competent dental surgeons, who will be able to provide high quality comprehensive oral healthcare with emphasis on prevention
2. emphasize on the prevention and early detection of oral and dental diseases as an integral part of the curriculum
3. provide educational experiences for students using a comprehensive patient care model
4. provide community dentistry services that meet world-class standards
5. establish national recognition in term of academia by the concerned authorities and the public

Program Outcomes

The DDS program at AU-College of Dentistry is only delivered as a full time program. The College of dentistry offers access to e-learning (MOODLE) as a supplementary tool to its traditional face-to-face pedagogy. The effectiveness of the program is evaluated against the program learning outcomes which have been aligned with the UAE Qualifications Framework (UAEQF) and are consistent with the defined level of the degree.

DDS PROGRAM LEARNING OUTCOMES

KNOWLEDGE

On successful completion of the Doctor of Dental Surgery program, graduates will be able to:

1. Express coherent knowledge, capabilities and limitations of specialization areas in dentistry.
2. Describe the importance of prevention, treatment and management of oral and dental diseases.
3. Use the factual and theoretical knowledge in basic medical and dental sciences and allied sciences to gather information from patient as part of history taking and patient examination in order to decide appropriate investigation and decide a suitable course of treatment within the scope of a general dental practice.
4. Identify the integration and importance of the basic medical and allied sciences such as psychology and behavioral sciences to dentistry.
5. Demonstrate a broad knowledge of the fundamental concepts, theories and principles in research projects and protocols complying with ethical principles.

SKILL

1. Demonstrate effective technical and analytical skills using evidentiary and procedural based processes to perform appropriate dental procedures independently and safely in a general dental practice setting.
2. Practice promotion of oral health and prevention of related disorders.
3. Demonstrate highly developed communication skills to explain or critique complex and unpredictable matters related to oral health and disease.
4. Demonstrate accurate record keeping and how to source and analyze information relevant to effective clinical practice.
5. Practice ethical, professional and legal responsibilities and display appropriate attitudes and behavior.
6. Evaluate, select and apply appropriate methods of clinical research in relation to oral health and disease.

COMPETENCE

Autonomy and Responsibility

1. Show responsibility and independent technical and clinical decision-making to evaluate and manage complex and unpredictable clinical work appropriate to a primary care practice.
2. Illustrate adherence to current best practice methods in a mature manner.

Role in Context

3. Recognize the importance of appropriate leadership roles, manage and take accountability of the team involved in patient care.
4. Demonstrate responsibility and supervise the professional activity and mentoring of allied dental health personnel.

Self-development

5. Engage in self-evaluation and professional development apt for general dental practice or towards specific specialization.
6. Value professional ethics, positive criticism and feedback, and engage in a life-long learning.

OUTCOMES MAPPING MATRIX

National Standards of Learning Outcomes for Bachelor Program (UAENQF LEVEL 7)	Program Learning Outcomes of Doctor of Dental Surgery				
KNOWLEDGE					
	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5
1. Specialized factual and theoretical knowledge and an understanding of the boundaries in a field of work or discipline, encompassing a broad and coherent body of knowledge and concepts, with substantive depth in the underlying principles and theoretical concepts	✓				
2. An understanding of allied knowledge and theories in related fields of work or disciplines and in the case of professional disciplines including related regulations, standards, codes, conventions			✓		
3. Understanding of critical approach to the creation and compilation of a systematic and coherent body of knowledge and concepts gained from a range of sources		✓		✓	
4. A comprehensive understanding of critical analysis, research systems and methods and evaluative problem-solving techniques					✓
5. Familiarity with sources of current and new research and knowledge with integration of concepts from outside fields					✓

SKILL						
	PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6
1. Technical, creative and analytical skills appropriate to solving specialized problems using evidentiary and procedural based processes in predictable and new contexts that include devising and sustaining arguments associated with a field of work or discipline	✓				✓	
2. Evaluating, selecting and applying appropriate methods, procedures or techniques in processes of investigation towards identified solutions		✓		✓		

3. Evaluating and implementing appropriate research tools and strategies associated with the field of work or discipline						✓
4. Highly developed advanced communication and information technology skills to present, explain and/or critique complex and unpredictable matters			✓			

COMPETENCE		
Autonomy and responsibility	PLO 1	PLO 2
1. Can take responsibility for developing innovative and advanced approaches to evaluating and managing complex and unpredictable work procedures and processes, resources or learning	✓	
2. Can manage technical, supervisory or design processes in unpredictable, unfamiliar and varying contexts		✓
3. Can work creatively and/or effectively as an individual, in team leadership, managing contexts, across technical or professional activities	✓	
4. Can express an internalized, personal view, and accept responsibility to society at large and to socio-cultural norms and relationships		✓

COMPETENCE		
Role in context	PLO 3	PLO 4
1. Can function with full autonomy in technical and supervisory contexts and adopt para-professional roles with little guidance		✓
2. Can take responsibility for the setting and achievement of group or individual outcomes and for the management and supervision of the work of others or self in the case of a specialization in field of work or discipline	✓	
3. Can participate in peer relationships with qualified practitioners and lead multiple, complex groups	✓	
4. Can take responsibility for managing the professional development and direct mentoring of individuals and groups		✓

COMPETENCE		
Self-development	PLO 5	PLO 6
1. Can self-evaluate and take responsibility for contributing to professional practice, and undertake regular professional development and/ or further learning can manage learning	✓	✓
2. Can manage learning tasks independently and professionally, in complex and sometimes unfamiliar learning contexts	✓	
3. Can contribute to and observe ethical standard		✓

Admission Requirements

Admission is based on the following requirements:

1. A UAE secondary school certificate, science section, or its equivalent, with a grade of not less than B (80 percent). Priority is given to students with higher grades in the following subjects:
   Biology
   Physics
   Chemistry
2. English proficiency test (TOEFL score of 500 or above, or the equivalent)
3. Personal interview
4. Health Fitness Certificate

Career Opportunities

Graduates of the College will have a wide range of career opportunities to choose from, in addition to continuing higher education (Masters and PhD degrees) in one of the following specialties:

- Endodontics
- Periodontics
- Prosthodontics
- Operative Dentistry
- Pediatric Dentistry
- Orthodontics
- Oral and Maxillofacial Surgery
- Oral Radiology and Oral Medicine
- Dental Public Health
- Implantology
- Aesthetic Dentistry
- Oral Pathology

Graduates may wish to take advanced courses in Oral Surgery, Implantology and other clinical specialties, or they may choose to work in research facilities.

Those who prefer to practice in UAE will be able to do so provided that they pass the UAE Licensing Exams. Graduates are subject to the regulations of the UAE licensing authorities with regard to the type of examination and certification criteria.

Graduation Requirements

Students will be awarded the Doctor of Dental Surgery (DDS) degree upon fulfillment of the following requirements:

1. Completing successfully the required credit hours (199 Credit Hours), including the University requirement courses, with an accumulative grade point average (AGPA) not less than C, otherwise students should take, during the following semester(s), clinical subjects as suggested by the academic advisor to fulfill this graduation requirement.
2. Completing successfully the required clinical cases during the clinical phase in addition to the mandatory two months internal clinical training during summer.
3. Submitting & defending a research project before an academic committee of the College.

Degree requirements

The Doctor of Dental Surgery (D.D.S.) degree requires the completion of 199 Credit Hours, distributed according to the following plan:

Type of Courses	Credit hours
1. University General Education Requirements	
(a) University Required Courses	15
(b) University Elective Courses	9
2. College Requirements	175
TOTAL	199

UNIVERSITY REQUIREMENTS COURSES

(a) University required Courses (15 cr. Hrs)

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Lb/T	Cr/H	
ISL112	Islamic Culture	3	–	3	xxx xxx
ARB111	Communication skills in Arabic Language	3	–	3	xxx xxx
STA112	Statistics	2	2	3	xxx xxx
INN311	Innovation & Entrepreneurship	3	–	3	xxx xxx
COM111	IT Fundamentals	2	2	3	xxx xxx

(b) University elective Courses (9 cr. Hrs)

Although elective, the student has to register for three (03) courses, one each from the three fields, after consulting his/her academic advisor.

Suggested Course sequencing

First Semester

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Lb/T**	Cr/H	
STA112	Statistics	2	2	3	xxx xxx
COM111	IT Fundamentals	2	2	3	xxx xxx
PHY181	Physics (Dentistry) *	3	-	3	xxx xxx
PHA145	General Chemistry (Dentistry) *	2	2	3	xxx xxx
DDS101	English for Special Purposes (Dentistry)	3	-	3	xxx xxx
DDS102	Integrated Biological Sciences I *	2	2	3	xxx xxx
DDS103	Histology & Cell Biology *	2	2	3	xxx xxx
Total		16	10	21	

Second Semester

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Lb/T**	Cr/H	
ARB111	Communication Skills in Arabic Language	3	-	3	xxx xxx
PHA155	Biochemistry (Dentistry) *	3	2	4	PHA145
DDS104	Integrated Biological Sciences II *	3	2	4	DDS102
DDS105	Oral Histology *	3	2	4	DDS103
DDS106	Head & Neck Anatomy I *	2	2	3	DDS102
xxx xxx	Elective Course	3	-	3	xxx xxx
Total		17	8	21	

* THIS IS A FOUNDATIONAL COURSE FOR THE DDS PROGRAM. EVERY DENTAL STUDENT **MUST PASS** THIS COURSE BEFORE PROCEEDING TO THE CLINICAL COMPONENT OF THE DEGREE PROGRAM.

** Two (02) Practical Hours = 1 Credit Hour

Third Semester

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Lb/T**	Cr/H	
ISL112	Islamic Culture	3	-	3	xxx xxx
PHA232	Pharmacology I (Dentistry) *	2	-	2	DDS104
DDS201	Psychology & Behavioral Sciences	3	-	3	xxx xxx
DDS202	Head & Neck Anatomy II *	2	2	3	DDS106
DDS203	Microbiology & Immunology *	3	2	4	xxx xxx
DDS204	Pathology *	3	1	3	DDS103
DDS205	Biomaterials *	2	1	2	xxx xxx
Total		18	6	20	

Forth Semester

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Lb/T**	Cr/H	
PHA233	Pharmacology II (Dentistry) *	2	-	2	PHA232
DDS206	General Medicine & Infectious Diseases *	4	1	4	DDS203 DDS204
DDS207	General Surgery & ENT *	2	1	2	DDS106
DDS208	Introduction to Oral & Dental Diseases	2	2	3	DDS204
DDS209	Dental Anatomy & Occlusion *	3	2	4	DDS106
DDS210	Four Handed Dentistry & Infection Control *	2	-	2	DDS203
DDS211	Oral Radiology I *	2	2	3	PHY181 DDS106
Total		17	8	20	

* THIS IS A FOUNDATIONAL COURSE FOR THE DDS PROGRAM. EVERY DENTAL STUDENT **MUST PASS** THIS COURSE BEFORE PROCEEDING TO THE CLINICAL COMPONENT OF THE DEGREE PROGRAM

** Two (02) Practical Hours = 1 Credit Hour

Fifth Semester

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Lb/T**	Cr/H	
DDS301	Pre-Clinical Operative Dentistry I *	2	3	3	DDS205, DDS209
DDS302	Pre-Clinical Prosthodontics I *	2	6	4	DDS205, DDS209
DDS303	Pre-Clinical Endodontics I *	1	3	2	DDS205, DDS209
DDS304	Preventive Dentistry & Nutrition	3	2***	4	DDS206, DDS208
DDS305	Pre-Clinical Pediatric Dentistry I *	2	-	2	DDS208
DDS306	Pre-Clinical Periodontics I *	1	1	1	DDS105
DDS307	Pre-Clinical Oral Surgery I & Pain Control *	2	2	2	PHA233, DDS203, DDS207
DDS308	Oral Pathology I *	2	2***	3	DDS204, DDS208
Total		15	19	21	

Sixth Semester

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Lb/T**	Cr/H	
DDS309	Pre-Clinical Operative Dentistry II *	2	3	3	DDS301
DDS310	Pre-Clinical Prosthodontics II *	2	3	3	DDS301, DDS302
DDS311	Pre-Clinical Endodontics II *	1	3	2	DDS303
DDS312	Pre-Clinical Pediatric Dentistry II *	1	3	2	DDS305
DDS313	Pre-Clinical Orthodontics *	1	3	2	DDS105, DDS209
DDS314	Pre-Clinical Periodontics II *	1	3	2	DDS306
DDS315	Pre-Clinical Oral Surgery II & CPR *	3	2	3	DDS206, DDS307
DDS316	Oral Pathology II *	2	2***	3	DDS308
Total		13	22	20	

* THIS IS A FOUNDATIONAL COURSE FOR THE DDS PROGRAM. EVERY DENTAL STUDENT **MUST PASS** THIS COURSE BEFORE PROCEEDING TO THE CLINICAL COMPONENT OF THE DEGREE PROGRAM.

** Three (03) Pre-clinical Training Hours=1 Credit Hour

*** Two (02) Practical Hours = 1 Credit Hour

Seventh Semester

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Cl/T*	Cr/H	
DDS401	Clinical Operative Dentistry I	1	4	2	
DDS402	Clinical Prosthodontics I	1	4	2	All
DDS403	Clinical Endodontics I	1	4	2	
DDS404	Clinical Pediatric Dentistry I	1	4	2	Pre-Clinical
DDS405	Clinical Orthodontics I	1	4	2	
DDS406	Oral Diagnosis / Oral Medicine	2	4	3	
DDS407	Oral Radiology II	1	2**	2	DDS211
DDS408	Clinical Periodontics I	1	4	2	Courses
DDS409	Clinical Oral Surgery I	1	4	2	“and DDS201
Total		10	34	19	

** Two (02) Practical Hours = 1 Credit Hour

Eighth Semester

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Cl/T*	Cr/H	
xxx xxx	Elective Course	3	-	3	xxx xxx
DDS410	Clinical Operative Dentistry II	1	4	2	DDS401
DDS411	Clinical Prosthodontics II	1	4	2	DDS402
DDS412	Clinical Endodontics II	1	4	2	DDS403
DDS413	Clinical Pediatric Dentistry II	1	4	2	DDS404
DDS414	Clinical Orthodontics II	1	4	2	DDS405
DDS415	Clinical Periodontics II	1	4	2	DDS408
DDS416	Clinical Oral Surgery II	1	4	2	DDS409
Total		10	28	17	

* Four (04) Clinical Training Hours=1 Credit Hour

In-Campus Training Program *

This in-campus clinical training program is held at the end of the eighth semester.

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Cl/T*	Cr/H	
DDS417	Internal Clinical Training Fourth Year	-	20	2	All Clinical Courses

Ninth Semester

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Cl/T*	Cr/H	
DDS501	Ethics	1	-	1	xxx xxx
DDS502	Geriatric Dentistry	1	-	1	All Clinical Courses
DDS503	Clinical Dentistry I	-	24	6	All Clinical Courses
DDS504	Applied Biostatistics	2	-	2	STA112
DDS505	Emergency Dental Care	1	4	2	All Clinical Courses
DDS506	Implantology	1	1	1	All Clinical Courses
DDS507	Treatment Planning & Seminars I	2	-	2	DDS316, DDS406
xxx xxx	Elective Course	3	-	3	xxx xxx
Total		11	29	18	

Tenth Semester

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Cl/T*	Cr/H	
DDS508	Clinical Dentistry II	-	28	7	DDS503
DDS509	Hospital Dentistry	-	8	2	DDS505
DDS510	Lasers & Modern Technology	1	1	1	DDS415, DDS416
DDS511	Treatment Planning & Seminars II	2	-	2	DDS507
DDS512	Research Project	1	-	1	DDS504
DDS513	Practice Management	1	-	1	xxx xxx
DDS514	Equipment Maintenance	1	1	1	xxx xxx
xxx xxx	Elective Course	3	-	3	xxx xxx
Total		9	38	18	

* Four (04) Clinical Training Hours= 1 Credit Hour

Internal Training Program *

The internal clinical training program is held at the end of the tenth semester.

Course Code	Course Title	Credit Hours			Prerequisite(s)
		L/C	Cl/T*	Cr/H	
DDS515	Internal Clinical Training Fifth Year	-	20	2	All Clinical Courses

Course Descriptions for Undergraduate program

Doctor of Dental Surgery (DDS) Degree Program

COLLEGE REQUIREMENTS

1) PHY181 Physics / Dentistry (3 cr. /h.)

The course is designed to cover the basic concepts in most branches of classical mechanics, electricity and thermodynamics as well as some of modern physics concepts applicable to x-ray, lasers and radioactivity. Finally, x-ray, lasers, radioactivity and applications of these concepts in dentistry will also be covered.

2) PHA145 General Chemistry / Dentistry (3 cr. /h.)

This course presents the fundamentals of certain topics in general chemistry. It includes two major parts: Part I is the general part, and Part II is the organic part. The general part will introduce the student to basic aspects of general chemistry, i.e. the atomic structures, electronic configuration, periodic table of elements, chemistry of metals, and the fundamentals of chemical bonds and chemical reactions. The organic part covers some important areas in organic chemistry, which include aliphatic and aromatic hydrocarbons, stereochemistry, as well as some functional groups, e.g.: alcohols, phenols, carbonyl compounds.

3) PHA155 Biochemistry / Dentistry (4 cr. /h.)

The course is designed to provide a comprehensive survey of the major topics in biochemistry. It explores how the structure of proteins, carbohydrates, lipids, nucleic acids, and vitamins relates to their function. Metabolism and energy production as well as biosynthesis of small and macromolecules is discussed. Special topics such as Calcium metabolism, bone mineralization, and Dental caries are included.

4) PHA232 Pharmacology-I / Dentistry (2 cr. /h.)

This course will introduce the general aspects of pharmacokinetics and pharmacodynamics. Students will also learn basic pharmacotherapy for relevant disorders of cardiovascular system, CNS, endocrine system, gastrointestinal system, including asthma and drugs of abuse that are pertinent to practice of dentistry.

5) PHA233 Pharmacology-II / Dentistry (2 cr. /h.)

This course is designed to teach the students the various drugs used to control the pain and anxiety of dental patients as well as those used for treatment of different oral conditions. A special emphasis is made on the clinical indications, dosage, potential side effects and drug-interactions. The course will also highlight the importance of standard practice in prescription writing to ensure both effectiveness of the treatment and patient safety.

6) DDS101 English for Special Purposes - Dentistry (3 cr./h.)

This course aims at preparing the students of Dentistry College to cope with the kind of English needed in the real life situations and field of specializations in the future. It enables the students to practice the four skills. The course develops the students' competence through using the language resource room, CD ROMs, the internet and some other audio-visual facilities.

7) DDS201 Psychology & Behavioral Sciences (3 cr. /h.)

This course aims at providing dentistry students with an insight of psychology, and helps them to observe, evaluate and explain the behavior of people in relation to oral/dental health care in particular. The students are provided with information regarding basic psychological concepts, psychological disturbances and disorders, management techniques and their application specifically in the field of dentistry and healthcare. It is designed to be helpful to dental students by providing them an understanding of the people (patients and dental team members) they will come across in their dental practice/career. This will allow them to better understand the feelings and thoughts of their patients and help them relax and be comfortable during dental treatments.

8) DDS102 Integrated Biological Sciences - I (3 cr. /h.)

This course deals with the study of two complementary branches of biology, human anatomy and human physiology which provide the basic concepts helping dental students understand how the human body is developed, the way it is built up and how it works. Objectives of this course are to develop the foundational knowledge and basic concepts necessary to independently perform the diagnostic and clinical skills.

9) DDS104 Integrated Biological Sciences-II (4 cr. /h.)

This course is intended to help the dental students to understand the basic concepts of Anatomy & Physiology simultaneously, with emphasis on topics related to the dental practice. The course covers the study of the main body systems with great emphasis on the applied & the practical aspects. The teaching tools include CD presentations, Power points presentations, videotapes & Internet explorations.

10) DDS103 Histology & Cell Biology (3 cr. /h.)

This course provides students with general knowledge about the cell and various cellular organelles, and the characteristic structure of each organelle that enable it to perform essential functions within the cell. The students are also provided with wide knowledge concerning the morphological features of the four primary tissues and recognize their roles in forming organs. A basic knowledge of cell division, general embryology and genetics integrates the above information.

11) DDS105 Oral Histology (4 cr. /h.)

This course describes in details the development and structure of the oral cavity and teeth. Students are provided with the basic concepts of oro-facial development and structures. The microscopic, histological and ultrastructural organizations of soft and hard oral tissues are studied in details. A considerable knowledge of functional and clinical correlation is also stressed.

12) DDS106 Head & Neck Anatomy I (3 cr. /h.)

The course is intended to help the dental student to study & understand the basic terms & facts about the gross anatomy of the head and neck region of human body. The course includes the study of the detailed structures of the skull, the head & their nerve and blood supply. Also, the course includes full descriptions of the various muscles & glands of the face, orbit, nasal cavity, oral cavity, floor of the mouth, palate and tongue. In general, the course will provide the dental student with the fundamental detailed structures of the skull & head as related to dental practice.

13) DDS202 Head & Neck Anatomy II (3 cr. /h.)

The course deals with the description of the head & neck region including brain & spinal cord. The main elements are the nerves & vessels, lymphatic drainage, fascial spaces and muscles of neck, the pharynx and larynx with special reference to the anatomical basis of the management of upper airway obstruction and related radiology. Further it provides the relevant details of pain physiology, brain, spinal cord their development and cranial nerves function and test. In general the course will provide the basis to the dental practice involving the anatomical structures.

14) DDS203 Microbiology & Immunology (4 cr. /h.)

The course covers the fundamentals of microbiology with emphasis on oral microbiota, pathogens & defense mechanisms in the dental environment. The basics of immunology including the immune system & organisms of medical & dental significance; virus structure & classification, viral pathogenesis & mechanisms of host defense; hygiene covering pathogenesis of bacterial, infections, etiology, clinical picture, lab diagnosis, treatment, prevention and control of diseases caused by the different bacteria, are also discussed.

15) DDS204 Pathology (3 cr. /h.)

This course covers the fundamentals of the basic disease process in the body. Students are provided with gross, microscopic & biochemical features of different pathological conditions. Objectives of this course are to study and understand different pathogenic processes in details in order to establish a sound foundation for clinical practice in dentistry. Teaching tools include power point plus projection, practical lessons with CD presentations & internet explorations.

16) DDS206 General Medicine (4 cr. /h.)

This comprehensive course covers topics specific to the medical field, with interest to medically compromised patient as related to dental care. Students are provided with basic concept of general medical & infectious diseases. Teaching tools include: power point plus projection, practical lessons with CD presentations & internet explorations.

17) DDS207 General Surgery & ENT (2 cr. /h.)

The course is intended to help dental students to study & understand the basic principles of surgery & ENT in relation to Dentistry and Oral and maxillofacial Surgery. The course includes the knowledge of the theoretical & practical approaches to the assessment of surgical and how to perform an effective risk assessment preoperatively based on the information obtained from case history, clinical examination, investigations in relation to the anaesthetic potential risks and also the invasiveness of the planned surgery. Also, the student will identify the pathology of tumors, cysts, fistulae, sinuses & ulcer in head and neck region. Information about trauma, tissue repairs & preoperative management of inpatients like administered fluids, water balance monitoring and indications and possible complications of blood transfusion are also included within the course. In addition, the student will study the various common diseases of the ear, nose, paranasal sinuses & pharynx. Finally the students will learn the common postoperative complications seen in surgical patient whether due to anaesthesia, the surgical intervention or those initiated or aggravated by the existing morbid conditions of surgical patients.

18) DDS208 Introduction to Oral & Dental Diseases (3 cr. /h.)

This is an introduction to profession of dentistry. This course provides students with knowledge and understanding of oral and dental diseases, their etiology, pathogenesis and different stages of these lesions and their clinical manifestations.

19) DDS209 Dental Anatomy & Occlusion (4 cr. /h.)

This course deals with nomenclature as related to the morphology of the natural dentition. It includes theory related to the morphology of the deciduous & permanent teeth in the human dentition & features related to the normal occlusion. Laboratory exercises include wax-adding & carving to build up the crowns of permanent teeth, analyze occlusal patterns and correct occlusal disharmonies. Its significance is integrated with dental treatment in Operative dentistry,

Endodontics, Prosthodontics, Periodontics and Orthodontics. This course will help students in diagnosing dental disorders affecting the crowns or roots of human teeth & thus forms a basic foundation to the understanding of clinical dentistry. The study of occlusion part of this course involves the whole masticatory system, it includes the static relationship of teeth as well as the functional inter-relationship between teeth, periodontal, tissue, jaws, temporomandibular joints (TMJ), muscles and nervous system.

20) DDS205 Biomaterials (2 cr. /h.)

The course is designed to provide students with knowledge to define and memorize the physical, chemical, and biological properties of dental materials. The program emphasizes on employment of concepts in modern materials science to solve problem of dental treatment.

21) DDS211 Oral Radiology-I (3 cr. /h.)

This course discusses the basic principles of X-ray production, the biological effects of ionizing radiation and radiation safety. This course demonstrates the intra oral and extra oral radiographic techniques and prepare the Students learn to take and interpret radiographs, and perform initial screening, examination and diagnosis. The course is integrated with different dental specialties. Objectives of this course are to develop the fundamental knowledge of x-ray production and skill to independently perform the radiographs and interpretation of radiographic normal anatomy.

22) DDS301 Pre-Clinical Operative Dentistry I (3 cr. /h.)

The main components of this course are the principles of cavity preparation for the currently available restorations according to their physical and manipulative characteristics and the steps of cavity restorations. The restorative department during the two semesters of the third year provides them.

23) DDS309 Pre-clinical Operative Dentistry II (3 cr. /h.)

This course consists of two main components, the principle of cavity preparations for the currently available restorations and their physical and manipulative characteristics and cavity restorations. The restorative department during the two semesters of the third year provides them.

24) DDS302 Pre-Clinical Prosthodontics I (4 cr. /h.)

This is a dental technology course consist of lectures and pre-clinical laboratory practical sessions .Terminology, nomenclature, theories, principles, concepts and basic techniques necessary for the construction of complete denture service will be presented. The course is designed to prepare the student to understand the biological, esthetic and mechanical aspects of complete dentures treatments. Correlation of basic science concepts as related to mechanical and clinical conditions will be stressed.

25) DDS310 Pre-Clinical Prosthodontics II (3 cr. /h.)

This course provides both didactic and practical sessions in dental technology. Students will be introduced to the dental skills laboratory (phantom head or the simulator). Lectures cover all the procedures of teeth preparation for fixed restorations, and the use of equipment and instruments needed for the construction of all types of fixed prosthodontics. More emphasis will be directed to the principles of tooth preparation. Included in the course a practical sessions for the training of the students on how to prepare abutment teeth, apply impression techniques and making provisional restorations.

26) DDS303 Pre-Clinical Endodontics I (2 cr. /h.)

The theoretical part covers topics which include an introduction to the subject, anatomy and morphology of the root canal system, access cavity preparation, cleaning and shaping of the root canal systems and it lays emphasis on possessing thorough knowledge of the various endodontic instruments. The pre-clinical practical component focuses on the treatment of anterior and premolar teeth. This prepares and enables students to be competent in treatment of clinical endodontic cases in the next year.

27) DDS311 Pre-Clinical Endodontics II (2 cr. /h.)

The theoretical part covers topics which include root can obturation, endodontic microbiology, endodontic mishaps management, pulp and periapical pathology, diagnosis and diagnostic procedures. The pre-clinical lab/practical component focuses on performing endodontic procedures on molars. This prepares the students to perform basic endodontic procedures prior to entering the clinics in next year.

28) DDS210 Four Handed Dentistry & Infection Control (2 cr. /h.)

Four Handed Dentistry

This course describes the concept and advantages of four handed dentistry. It describes the ergonomic position for the patient, dental assistant and doctor and explain the responsibilities of the dental assistant during clinical dental work. The course also describes the ergonomic arrangement of dental clinic.

Infection Control:

This course explains the different ways of transmission of infectious diseases and emphasis on the immunization of all oral health care providers. The course describes the sterilization methods in dental practice, application of protective barriers, personal protective equipment and infection control during all clinical dental procedures.

29) DDS304	Preventive Dentistry & Nutrition	(4 cr. /h.)

The Preventive Dentistry and Nutrition course introduces the student to the principles and methods of prevention including information on etiology of dental caries, periodontal diseases and methods of preventing and controlling dental diseases through a preventive treatment plan and health education programs. In addition, this course provides the students with a basic knowledge of the essential nutrient materials in both health and disease, and discusses the role of the nutrition on the development, prevention and treatment of the oral and dental diseases.

30) DDS305	Pre-Clinical Pediatric Dentistry I	(2 cr. /h.)

This course introduce pediatric dentistry as an essential branch of dentistry related to child patients mainly focusing on the development and growth of oral/facial structures of children and recognizing the chronology of primary and permanent dentition. Different types of dental anomalies have been described with their genetic aspects. Child abuse and neglect are discussed in relation to pediatric dentistry. Psychological management, examination, diagnosis and treatment planning of child patient are introduced.

31) DDS312	Pre-Clinical Pediatric Dentistry II	(2 cr. /h.)

This course discusses radiographic as well as local anesthetic techniques used for child patient which needs specific modifications. Management and treatment of dental caries with different types of cavity preparations have been discussed. Also it describes vital and non –vital pulp therapy for primary teeth which considered an important issue in restoration and prevention of primary teeth extraction, on the other hand in case of loss of the primary teeth it is necessary to plan arch space analysis and construction of space maintainer to prevent space loss.

32) DDS313	Pre-Clinical Orthodontics	(2 cr. /h.)

The course will introduce the third year dental student to the fundamentals of orthodontics, including topics on the concepts of growth and development of the craniofacial structures, etiology of orthodontic problems, biological basis of orthodontic therapy, and clinical features of different malocclusions. This course is also designed to give the student a basic understanding of the skills required to fabricate removable orthodontic appliances that are typically indicated for limited tooth movement and retention in interceptive orthodontics.

33) DDS306	Pre-Clinical Periodontics-I	(1 cr. /h.)

This course describes in details the anatomy of periodontium and associated structures. Students are provided with the basic concepts of periodontal health. The microscopic, histological and ultrastructural organizations of soft and hard oral tissues are studied in detail. Basic knowledge of functional and clinical correlation is also stressed.

34) DDS314 Pre-Clinical Periodontics-II (2 cr. /h.)

In this course lectures and practical training are given to students to expose them to immune response (host response) and periodontal pathogenesis. A complete spectrum of periodontal lesions and their pathogenicity, plaque control, trauma from occlusion, food impaction and halitosis are to be stressed.

35) DDS307 Pre-clinical Oral Surgery-I & Pain Control (2 cr. /h.)

This preclinical course introduces the student to oral surgery and prepares him/her for clinical experience with dentoalveolar surgery. The student will learn to assess the patient, diagnose and treat basic oral surgical problems encountered in general practice. In addition to this, the goal of this course is to learn the pharmacology and toxicology of dental local anesthetic drugs and the proper techniques for their administration during dental extraction and related procedures.

36) DDS315 Pre-Clinical Oral Surgery-II & C.P.R (3 cr. /h.)

The purpose of this course is to prepare the student to recognize advanced oral and maxillofacial surgery problems. Upon the completion of this course, the student will be able to formulate diagnosis and treatment plans in order to provide surgical care within the context of a patient-centered system of care delivery. In addition, this course will promote surgical principles and techniques to correct the pathologic conditions mentioned here. The course also emphasizes the principles and application of skills in basic life support, external cardiac compression and the emergency medical systems. Students will learn how to evaluate and treat a patient who sustains cardiac arrest in the dental office or an airway obstruction, through the techniques of CPR and Foreign Body Airway Obstruction.

37) DDS308 Oral Pathology-I (3 cr. /h.)

This course deals with the understanding of the basic disease processes affecting the head & neck regions. The etiopathogenesis, clinical features & histopathologic features of developmental disorders, non-odontogenic & odontogenic lesions, cysts & infections related to the teeth, their supporting structures, jaw bones & soft tissues in & around the oral cavity will be dealt with. It also includes the oral manifestations of systemic diseases, like mucocutaneous disorders. The differential diagnosis & prognosis of various pathologies will also be considered.

38) DDS316 Oral Pathology-II (3 cr. /h.)

This course is a continuation of Oral Pathology I. Students will continue learning the etiopathogenesis, clinical features & histopathologic features of non-odontogenic & odontogenic lesions, cysts & tumours related to the teeth, their supporting structures, jaw bones & soft tissues in & around the oral cavity. The oral manifestations of physical & chemical injuries to the

oral tissues will also be detailed. The differential diagnosis & prognosis of various pathologies will also be considered.

39) DDS407	Oral Radiology-II	(2 cr. /h.)

The course deals with the acquisition and interpretation of radiographic imaging studies performed for diagnosis of conditions affecting the oral and maxillofacial region and assist in treatment planning.

40) DDS401	Clinical Operative Dentistry-I	(2 cr. /h.)

The course of operative dentistry consists of the diagnosis, prevention, treatment, and prognosis of the diseases and injuries inflicted upon the teeth. Also includes the study of basic concepts of restoration relation to oral and dental tissues and the various restorative materials. The curriculum includes both didactic and clinical components over a period of two semesters, and involves a clinical training program. The clinical training program for two semesters involves a clinical application of principles and skills acquired, based on a comprehensive approach in the oral health care.

41) DDS410	Clinical Operative Dentistry-II	(2 cr. /h)

The course of operative dentistry consists of the prevention, diagnosis, treatment, and prognosis of the diseases and injuries inflicted upon the teeth. It serves as a defining clinical experience for the dental students by providing them with the opportunity to participate in the evaluation and management of discolored, fractured and endodontically treated teeth. The curriculum includes both didactic and clinical components, and involves a clinical training program. The clinical training program involves a clinical application of principles and skills acquired, based on a comprehensive approach in the oral health care.

42) DDS402	Clinical Prosthodontics-I	(2 cr. /h.)

This course consists of two main components - complete denture, and removable partial denture prosthodontics. Prosthodontic treatment planning principles are provided in lectures and the group seminars. The didactic component focuses on planning and integrating removable prosthodontic interventions within a continuum of comprehensive patient care. The clinical instructors will ensure that the knowledge acquired in the preclinical years of studying is towards evidence-based decision making regarding prosthodontic management of patients partially and completely edentulous jaws. The course will be presented in lectures and clinical sessions, the lectures cover various clinical techniques, the manipulation of dental materials, and how to use dental instruments and equipment.

43) DDS411	Clinical Prosthodontics-II	(2 cr. /h)

The clinical fixed partial denture prosthodontics course consists of the theoretical part and the clinical training. The students should know how to do clinical examination, proper diagnosis and

sound treatment plan. At the end of this course all students will be familiar with the best techniques of fixed partial dentures treatment, and will develop their manual dexterity in all clinical aspects for the construction of this type of prosthesis. Every student should complete all the requirements needed, recognize the importance of the preservation of the prepared teeth, periodontal tissues, and other soft tissues of the oral cavity while performing all types of restorations.

44) DDS403 Clinical Endodontics-I (2 cr. /h.)

This Course aims to enable the students to diagnose the need for endodontic therapy. Previous endodontic courses presented a biologic foundation relating to endodontic clinical diagnosis. Students are provided with the basic concepts of diagnosis and treatment planning including medically compromised patients. Advanced endodontic techniques and/ or treatment modalities for the following conditions are also discussed: endodontic retreatment, apexification and apexogenesis, internal and external resorption, traumatic injuries to teeth.

45) DDS412 Clinical Endodontics-II (2 cr. /h)

This Course aims to enable the students to gain knowledge and experience in endodontic treatment. Students are provided with the techniques used to determine success or failure of Endodontic treatment and the indication and contraindication of endodontic surgery, describing procedures and materials. Advanced endodontic techniques and/ or treatment modalities for the following conditions are also discussed: single visit root canal therapy, bleaching of discolored teeth, restoring endodontically treated teeth and relationship of orthodontic treatment, periodontal lesion to endodontic treatment.

46) DDS404 Clinical Paediatric Dentistry-I (2 cr. /h.)

This course will reinforce basic knowledge developed during third year preclinical course, and facilitate continued development as the student performs routine pediatric dentistry procedures commonly employed in general dental practice. This course will also provide the fourth year dental student with a defining clinical experience that will include: diagnosis, prevention and treatment of the different pathological conditions in pediatric patients; classification, diagnosis and management of different traumatic injuries of oral & dental structures in primary and permanent teeth. Objectives of this course are to develop the foundational knowledge, skills and values necessary to independently perform diagnostic and clinical skills and participate safely in the care of pediatric patients.

47) DDS413 Clinical Paediatric Dentistry-II (2 cr. /h.)

This course intends to inform and provide the dental student with sufficient knowledge on indications, techniques used in pharmacological methods of child's management including sedation and GA in management of anxious children. This course will also provide the fourth year dental student the team approach for the management of cleft lip & palate child at the level of the undergraduate students, dental management of special health care need children. They

are also taught interceptive orthodontic methods in a growing child. Child abuse and neglect are discussed in relation to pediatric dentistry.

48) DDS405	Clinical Orthodontics-I	(2 cr. /h.)

This course introduces the dental student to the practice of orthodontics. The primary goal of this experience is to reinforce didactic concepts taught in the third year and build upon them in a manner that will better prepare the student to recognize, communicate and manage orthodontic problems in the general dentistry setting. In this manner, the student will be able to make proper diagnosis and differential diagnosis of patients of all ages, plan and execute the treatment of selected uncomplicated malocclusion cases.

49) DDS414	Clinical Orthodontics-II	(2 cr. /h.)

This course is intended to complement the orthodontic lectures and the pre-doctoral orthodontic experience; it will provide for each student to briefly present a clinical case and to view a large number of clinical orthodontic cases and establish combination between orthodontic treatment and the other four dental specialties - Pedodontics, Periodontics, Prosthodontics and Oral Surgery. Multidisciplinary treatment approaches will be discussed in the lectures. Clinically, they will be discussed in the patient examination and diagnosis sessions.

50) DDS406	Oral Diagnosis & Oral Medicine	(3 cr. /h.)

This course describes in details the art of history taking, examination, investigation of oro-facial lesions and interpretation of the results of investigations. The course also will help the students to learn etiopathogenesis of local disease processes in orofacial area along with oral manifestation of systemic diseases affecting the oral mucosa. Students are provided with the basic concept of oral manifestation of psychiatric diseases and their management.

51) DDS408	Clinical Periodontics-I	(2 cr. /h.)

The lecture and clinical training will prepare the students to understand the clinical phenomena in terms of underlying tissue changes and comprehensive nature of periodontal response to therapy. The course focuses on differential diagnosis, prognosis and treatment planning of different forms of periodontal diseases. The solution of periodontal problems can be incorporated into the practice of dentistry.

52) DDS415	Clinical Periodontics-II	(2 cr. /h.)

This course consists of a didactic and clinical component. It will cover: The treatment of different types of periodontal diseases. The interrelation between periodontics and related dental specialties. Introduction to the surgical approaches in the management of moderate to advanced periodontal diseases. To distinguish acute and chronic (mild, moderate and advanced) form of periodontal diseases and management by non-surgical and surgical treatment. To expose the students to focus on objectives of periodontal therapy, treatment planning and techniques

including pre-prosthetic, pre-restorative, reconstructive surgery and knowledge necessary for advanced periodontal regeneration procedures.

53) DDS409 Clinical Oral Surgery-I (2 cr. /h.)

This course will reinforce basic knowledge developed during third year preclinical course, and facilitate continued development as the student performs routine oral surgery procedures commonly employed in general dental practice. This course serves as a defining clinical experience for the dental students by providing them with the opportunity to participate in the evaluation and management of surgical patients such as with intraoral lesions, maxillary sinus and salivary gland pathologies to name a few. Objectives of this course are to develop the foundational knowledge, skills and values necessary to independently perform diagnostic and clinical skills and participate safely in the care of surgical patients.

54) DDS416 Clinical Oral Surgery-II (2 cr. /h.)

The purpose of Clinical Oral Surgery II is to prepare the student to recognize advanced oral and maxillofacial surgery problems that in most cases will require referral to an oral and maxillofacial surgeon. Discussions will include diagnostic and treatment considerations relative to cases that require referral to an oral and maxillofacial surgeon as well as those that may be treated by the general dentist. The course will also describe the characteristics and surgical management of the more common trauma, anomalies and malignancies of the oral & maxillofacial region.

55) DDS507 Treatment Planning & Seminars-I (2 cr. /h.)

Problem Oriented Learning (POL) is an instructional strategy to help students acquire and integrate basic science, behavioral, and clinical knowledge in the context of solving a patient problem. POL is one of many instructional techniques used to teach problem solving. Problem Oriented Learning course is designed to give the students the experience to apply lecture materials to life-like situations and allows the student to experience the process as seen in daily clinical practice.

56) DDS511 Treatment Planning & Seminars-II (2 cr. /h.)

This course is developed to give the students the experience to analyze their clinical cases, in order to enhance their clinical capability and patient management using case studies and patients presented by students. Treatment Planning & Seminar II will help the students to acquire and integrate their basic science, behavioral and clinical knowledge in the context of solving a patient's problem, including communication and ethical aspects. Topics presented are in a multidisciplinary field of dentistry, such as ethics, health care delivery, communication skills and practice management. Ethics related cases discussions will provide the needed experience to the dental students to the medico-legal aspects related to their future practice, in the fields of: Medical Ethics, Medical Responsibility and Forensic Medicine.

57) DDS512 Research Project (1 cr. /h.)

The course is designed to enable the student to conduct a research project under the guidance of a teaching faculty. Students learn how to approach a research topic of interest, apply the basic principles of research design and to formulate the appropriate methodology and analysis for the research.

58) DDS503 Clinical Dentistry-I (6 cr. /h.)

The purpose of this course is to reinforce and refine patient management skills that students have been introduced to in the fourth year courses. It is designed to observe, evaluate, and subsequently assist students in understanding and practicing proper comprehensive patient care and management. This course focuses on refinement and integration of clinical skills. It does not contain any formal theoretical lecturing. Students are assigned in clinical blocks for patient care and treatment planning. These treatment plans and completed treatment are discussed, and are evaluated as to the rationale and sequences used. Taught by an interdisciplinary faculty, this course considers strategies and approaches for the integration of isolated dental procedures into an appropriately sequenced treatment plan for comprehensive patient care.

59) DDS508 Clinical Dentistry-II (7 cr. /h.)

This course is a continuation of Clinical Dentistry I, and does not contain any formal theoretical lecturing. Small group clinical discussions and demonstrations will be taken by the faculty. It is designed to provide students with more clinical experience in the care of patients with a focus on an advanced comprehensive care and treatment planning. Students are assigned in clinical blocks for patient care and treatment planning. All treatment options are discussed so that the student learns the fundamentals of good treatment planning and patient care. Taught by an interdisciplinary faculty, this course considers strategies and approaches for the integration of isolated dental procedures into an appropriately sequenced treatment plan for comprehensive patient care. The course mainly focuses on improving the quality of comprehensive care expected of a graduating student.

60) DDS502 Geriatric Dentistry (1 cr. /h.)

This course focuses on issues and concerns related to the rapidly increasing elderly population. It also provide the student with an understanding of the aging process and the multidisciplinary needs of the older patient. Myths and stereotypes about aging and the aged, which exist and influence the provision of health care to the older population, will be discussed and expelled. It will provide the student with a framework of knowledge about the biological, psychological, sociological, behavioral and general medical aspects of aging from which treatment can be planned and provided appropriately. A multidisciplinary team of speakers will present approaches that will help the student in integrating dental training and practice with the management, diagnosis and treatment of the older patient.

61) DDS501	Ethics	(1cr. /h.)

Dental ethics is the systematic and critical study of morality as it pertains to the practice of dentistry. The course consists of 16 hours of classroom lecture and discussion. It is designed to heighten students' awareness of the importance of ethical issues as they relate to dentistry. The curriculum provides students with an understanding of ethical principles, which have direct relevance to students' training and future practice experience. It focuses on common ethical dilemmas found in the relationships between dentist and patient, between dentists themselves, and between dentist and society.

62) DDS504	Applied Biostatistics	(2 cr. /h.)

This course provides the dental students with the necessary background of specific statistics relevant to the medical / dental fields in addition to adequate knowledge of study design in medical & dental research, enabling the dental student to critically evaluate and apply the appropriate statistics to dental and medical research.

63) DDS513	Practice Management	(1cr. /h)

This course is designed to provide the senior dental student with a general introduction to the basic principles of dental practice management. Primary focus will be on developing an understanding of various management concepts, processes & its role in obtaining an effective overall management of dental practice. The topics focused on include staff management, patient management, legal concepts and terminologies, office design, equipment placement, occupational hazard, appointments management, records management, dental insurance system, inventory and supply management.

64) DDS514	Equipment Maintenance	(1cr. /h)

This course focus on basic principles of various dental equipment, their operations and general preventive maintenance procedures. It also covers basic electrical theories and electrical safety precautions while dealing with dental equipment. Additionally advances in dental equipment technologies will also be covered in this course. This course helps the students to build the required skills and confidence to perform routine maintenance and minor repairs without the help of Biomedical technicians/Engineers.

65) DDS505	Emergency Dental Care	(2 cr. /h.)

This course provides a study of dental office emergencies with emphasis on prevention, prompt recognition and effective emergency care. Emphasis is also placed on etiology of common chronic oral diseases, treatment of specific dental emergencies and applicable assessment methods used in the prevention of emergencies related to the particular disease process. The course also deals with the use of emergency drugs and equipment.

66) DDS509 Hospital Dentistry (2 cr. /h.)

Fifth year students are assigned for six weeks to an affiliated hospital. During this rotations, students are assigned to hospitalized patients to reinforce principles of physical diagnosis for patients with severe medical problems, learn to request and answer consultations.

67) DDS510 Lasers & Modern Technology (1 cr. /h.)

This course is designed to provide the students with the fundamentals of laser technology and its use in dental practice including oral and maxillofacial surgery, periodontics, preventive and operative dentistry with more emphasis on the understanding and appreciation of laser safety measures. In addition, this course will introduce the students to some of the latest technologies in the dental field and their applications.

68) DDS506 Implantology (1 cr. /h.)

This comprehensive lecture course presents the scientific basis and clinical applications of modern dental implantology techniques, and cover both the surgical procedures and periodontics and prosthodontics consideration in implant dentistry. Students perform implantology procedures in Lab setting.

69) DDS417 Internal Clinical Training Fourth Year (2 cr. /h.)

This clinical course is in the summer semester of the fourth year of the dental curriculum. It is designed to provide students with clinical experience in the care of patients in the areas of Periodontics, Operative Dentistry, Endodontics, Pediatric Dentistry and Oral Surgery with a focus on comprehensive care and treatment planning. There is no theoretical component to this course. Students are assigned patients having various dental problems, and they have to formulate a comprehensive diagnosis and treatment planning, including patient and clinical management.

70) DDS515 Internal Clinical Training Fifth Year (2 cr. /h.)

This clinical course is in the summer semester of the fifth year of study. It is designed to provide students with clinical experience in the care of patients in the areas of Periodontics, Operative Dentistry, Endodontics, Pediatric Dentistry and Oral Surgery with a focus on comprehensive care and treatment planning. There is no theoretical component to this course. It reinforces and refines the student's knowledge and skill required for the graduate level of clinical practice of dentistry. Students are assigned patients having various dental problems, and they have to formulate a comprehensive diagnosis and treatment planning, including patient and clinical management. Students are expected to perform comprehensive care at an advanced level from that of the previous summer semester.

College of Humanities and Sciences

About the College: The College of Humanities and Sciences has been created as part of the recent restructuring process of Ajman University colleges. It is the result of the merger of the College of Education, the Department of Psychology, the Department of Sociology and the General Studies Unit. Conjointly, the entities that make up the new College have graduated more than 14,000 students, contributing to the emergence of a national expertise for the country's economic and social development. The creation of the College corresponds to the imperatives of coherence, structural efficiency and the repair of recurring dysfunctions that could have compromised the future of the University. The College of Humanities and Sciences shall legitimately build on the major achievements of the previous entities of which it is the heir, in particular their central role in entrenching the traditional, cultural and moral values of the nation in a spirit of tolerance and openness to modernity.

The College of Humanities and Sciences offers a high-quality education that is rooted in a humanistic tradition of multidisciplinary learning combining science, technology, languages and liberal arts. As part of a leading university, the college is a national pioneer in enhancing the best practices of higher education and carries out this tradition through its work. The college programs help students gain both high-level education and practical experience for their real world.

Mission: Consistent with the Ajman University mission, the College of Humanities and Sciences is established to train responsible and highly qualified graduates to participate in the nation building process, to promote research in relevant fields of specialization, and to provide community service through various activities and specialized consultancies.

Vision: To be the AU's most inspiring academic entity with distinctive characteristics in terms of work ethics, quality and impact of education offered.

Objectives:

1. To enhance the effectiveness and relevance of academic programs to meet international standards while remaining firmly rooted in local cultural tenets and traditional values.
2. To strengthen the focus on hands-on learning approaches in the curricula and equip students with knowledge, skills, and competencies necessary for informed and responsible citizenship.
3. To align programs offering with local and global employment needs and trends.
4. To promote a productive scientific research culture.
5. To increase the reliance on innovative and sustainable best practices in all areas.
6. To increase the diversity of curricular activities and extensive students participation in students' life programs.
7. To create long lasting ties between the College and the Community and provide consultancy to external organizations.

Departments: The College of Humanities and Sciences comprises six academic departments:

- Department of Arabic and Islamic Studies
- Department of Education
- Department of Foreign Languages
- Department of Mathematics and Sciences
- Department of Psychology
- Department of Sociology

Academic Programs: The College of Humanities and Sciences offers the following academic programs.

- **Graduate Programs:**
  1. MA in Arabic Language and Literature
  2. Professional Diploma in Teaching (Graduate Diploma).
- **Undergraduate Programs:**
  1. BA in Psychology
  2. BA in Sociology and Social Work
  3. B Ed. Teacher Training in Arabic Language and Islamic Studies
  4. B Ed. Teaching English as a Foreign Language
  5. B Ed. Teacher Training Program in Mathematics and Sciences.

Department of Education

The department of Education, part of College of Humanities and Sciences, offers prestigious and elegant type of teaching and learning process for both undergraduate and graduate studies. The department proposes a professional education that is disciplinary and rooted in humanistic tradition. As part of a leading university, the department is a national leader in enhancing educational practice and carries on that tradition through its work. The department programs help students gain both a high-level education and practical experience for the real world.

Department Programs:

The department of Education offers the following programs:

Bachelor of Education in Teacher Training Program in Mathematics and Science

The Bachelor's degree in Education – Teaching Mathematics and Sciences program is accredited by the Ministry of Education – Higher Education affairs. This program is provided in Arabic Language.

Program Outcomes:

1. To apply knowledge of mathematics, sciences and technology in education.
2. To use basic concepts in education, psychology, teaching methods and curriculum design.
3. To practise the knowledge of mathematics and sciences through differential, integral calculus and basic, necessary sciences.
4. To practise the basic skills of computer, educational technology and internet efficiently to acquire and present mathematical and scientific knowledge to the learners.
5. To become an independent teacher

برنامج
اعداد معلم في الرياضيات والعلوم

برنامج: بكالوريوس في التربية/ تخصص إعداد معلم في الرياضيات والعلوم

رسالة البرنامج:

تنبع رسالة برنامج "بكالوريوس في التربية تخصص إعداد معلم في الرياضيات والعلوم" من رسالة كلية الانسانيات والعلوم بالتناغم مع رؤية جامعة عجمان ورسالتها.

تتمثل رسالة البرنامج في إعداد معلمين أكفاء في مجال الرياضيات و/أو العلوم للعمل في مرحلة التعليم الأساسي (الصفوف من 1 إلى 9) في الدول العربية، خاصة في منطقة الخليج العربي.

بالإضافة إلى ذلك، يسعى البرنامج إلى إمداد الخريجين بالمهارات والميول التي يتطلبها الاستخدام المتزايد لتطبيقات التكنولوجيا الحديثة في التعليم المعاصر.

أهداف البرنامج:

1. يستمد "بكالوريوس في التربية تخصص إعداد معلم في الرياضيات والعلوم" أهدافه من رسالة البرنامج بما يعكس الفلسفة التعليمية التي تتبناها الجامعة. وتشمل أهداف البرنامج الآتي:

هد 1: إكساب معارف دقيقة ومناسبة في الرياضيات والعلوم.

هد 2: ممارسة طرق الاستدلال العلمي والربط بين المعارف النظرية والمهارات التطبيقية.

هد 3: دراسة الطرائق العامة للتدريس والطرائق الخاصة بتعليم الرياضيات والعلوم وممارستها وتطوير الثقة بالنفس لدى المعلم باعتباره صانع القرار في قاعة الدرس.

هد 4: إكساب المهارات الأساسية اللازمة لاستخدام التكنولوجيا الحديثة وممارستها وخاصة الحاسوب باعتباره أداة تعليمية ومصدراً مهماً للمعلومات وتحليلها.

هد 5: التمكن الفعلي من التواصل وإجادة العمل الفردي وضمن فريق.

مخرجات البرنامج:

المخرجات متسقة مع رسالة الكلية وأهدافها وكذلك مع رسالة البرنامج وأهدافه وهي كما يلي:

عند التخرج يكون طلاب برنامج "بكالوريوس في التربية تخصص إعداد معلم في الرياضيات والعلوم" قادرين على:

مخ 1: تطبيق المعارف الرياضية والعلمية والتكنولوجية في مجال التعليم.

مخ 2: ممارسة الاستدلال العلمي واعتماد مقاربة منطقية وناقدة في التعامل مع الأمور.

مخ 3: تصميم التجارب العلمية وإنجازها بصورة فعالة، وتحليل نتائجها.

مخ 4: تطبيق المعارف الأساسية في التربية، وعلم النفس، وطرائق التدريس، وتصميم المناهج في ظروف وبيئات تعليمية مختلفة.

مخ 5: تصميم الدروس وتطوير وسائل للقياس والتقييم.

مخ 6: ممارسة المهارات الأساسية في مجال الحاسوب وتقنيات التعليم واستخدام الإنترنت للوصول إلى المعلومات.

مخ 7: إدراك المسؤولية المهنية والأخلاقية وتأثير التعليم على المجتمع وأهمية التعلم مدى الحياة.

مخ 8: التواصل الفعلي مع الآخرين (شفهيا وتحريريا) والقدرة على العمل بشكل منفرد ضمن فريق.

شروط القبول

يقبل الطالب إذا توفرت فيه الشروط الآتية:

1. الحصول على شهادة الثانوية العامة (القسم العلمي) بمعدل لا يقل عن 60% من دولة الإمارات العربية المتحدة أو ما يعادلها من أي دولة أخرى.
2. اجتياز مقابلة شخصية لمعرفة مدى ملاءمة الطالب جسدياً ومهنياً.

متطلبات الدرجة العلمية

لإتمام البرنامج بنجاح على الطالب:

1. انجاز 132 ساعة معتمدة من ضمنها التربية العملية وتعادل 9 ساعات معتمدة.
2. قضاء الفصل الدراسي السابع أو الثامن في التربية العملية في مدرسة للتعليم الأساسي تختارها لجنة التربية العملية في الكلية.
3. الحصول على معدل تراكمي (2.0) أو أكثر.

الخطة الدراسية:

تتضمن الخطة الدراسية للبرنامج (43) مساقاً بمجموع (132) ساعة معتمدة، موضوعة بشكل خطة دراسية متكاملة، مساقاتها موزعة على الفصول والسنوات كما هو مبين في الجدول التالي:

الخطة الدراسية

المستوى	الفصل الدراسي الأول			الفصل الدراسي الثاني		
	اسم المساق	رقمه	متطلبه السابق	اسم المساق	رقمه	متطلبه السابق
السنة الأولى	مهارات الاتصال باللغة العربية	ARB111		لغة انجليزية	ENG151	
				علم نفس النمو	EDU154	
	إحصاء	STA111		رياضيات II	MTH152	MTH151
	أصول التربية	EDU151		هندسة تحليلية	MTH156	
	رياضيات I	MTH151		تطبيقات الحاسب	COM111	
	ثقافة إسلامية	ISL114		متطلب جامعة اختياري 1	أنظر الفقرة (ث)- 2 أدناه	
السنة الثانية	بناء المناهج وتطويرها	EDU251		علم النفس التربوي	EDU252	EDU154
	الريادة والابتكار	INN 311		جبر خطي	MTH252	MTH151
	معادلات تفاضلية	MTH251	MTH152	فيزياء II	PHY252	PHY251
	فيزياء I	PHY251		كيمياء I	CHM252	
	إدارة مدرسية وصفية	EDU351		التقنيات في التعليم	EDU253	COM111
	متطلب جامعة اختياري 2	أنظر الفقرة (ث)- 2 أدناه		متطلب جامعة اختياري 3	أنظر الفقرة (ث)- 2 أدناه	
السنة	طرائق تدريس العلوم	TMS351	EDU251	طرائق تدريس الرياضيات	TMS352	EDU251
	كيمياء II	CHM352	CHM252	تحليل حقيقي	MTH352	MTH152
	تطبيقات البرمجيات	PRG351	COM111	التقويم التربوي	EDU352	EDU251

	تحليل متجهات	MTH351	MTH152	موضوعات مختارة في العلوم	STS351	
	أساسيات علوم الحياة I	BIO351		جيولوجيا	GEO352	
	أساسيات علوم البيئة	ENV352		اختياري - رياضيات	أنظر الفقرة (أ)- 2 أدناه	
السنة الرابعة	جبر مجرد	MTH452	MTH252	التربية العملية (2)	TMS452	TMS451
	تحليل عقدي	MTH451	MTH352			
	التربية العملية (1)	TMS451	TMS352	اختياري - تربية	أنظر الفقرة (ت)- 2 أدناه	
	مساق اختياري- علوم	أنظر الفقرة (ب)- 2 أدناه				
	اختياري - رياضيات	أنظر الفقرة (أ)- 2 أدناه		اختياري- علوم	أنظر الفقرة (ب)- 2 أدناه	

مساقات الرياضيات

يتطلب إتمام البرنامج إنجاز (33) ساعة معتمدة في الرياضيات تغطي حقول الرياضيات البحتة والتطبيقية وتمثل 25% من مجموع عدد الساعات المعتمدة. وتتألف مجموعة مساقات الرياضيات من (9) مساقات إجبارية ومساقين اختياريين:

- المساقات الإجبارية/ رياضيات (**27**) ساعة

اسم المساق	رقم المساق	المتطلب السابق	عدد الساعات المعتمدة	عدد الساعات		
				نظري	مناقشة	عملي
رياضيات I	MTH151		3	3	2	
رياضيات II	MTH152	MTH151	3	3	2	
هندسة تحليلية	MTH156		3	3	2	
معادلات تفاضلية	MTH251	MTH152	3	3	2	
جبر خطي	MTH252	MTH151	3	3	2	
تحليل متجهات	MTH351	MTH152	3	3		
تحليل حقيقي	MTH352	MTH152	3	3		
جبر مجرد	MTH452	MTH252	3	3		
تحليل عقدي	MTH451	MTH352	3	3	2	

- المساقات الاختيارية/ رياضيات: (**6**) ساعات

اسم المساق	رقم المساق	المتطلب السابق	عدد الساعات المعتمدة	عدد الساعات		
				نظري	مناقشة	عملي
تحليل عددي	MTH353	إنجاز 60 ساعة	3	3		
نظرية العدد	MTH453	إنجاز 60 ساعة	3	3		
تبولوجيا	MTH355	MTH352	3	3		
إحصاء II	STA452	STA111	3	2		2
وسائل المعاينة	STA453	STA111	3	3		

- مساقات العلوم

تحتوي الخطة الدراسية للبرنامج على (33) ساعة معتمدة في العلوم تغطي حقول الفيزياء، الكيمياء، الأحياء، الجيولوجيا، الفلك، علوم البيئة والتلوث، وعلوم الحاسوب وتمثل 25% من مجموع عدد الساعات المعتمدة. وتتألف مجموعة مساقات العلوم من (9) مساقات إجبارية ومساقين اختياريين:

المساقات الإجبارية/ علوم (**27**) ساعة

اسم المساق	رقم المساق	المتطلب السابق	عدد الساعات المعتمدة	عدد الساعات		
				نظري	مناقشة	عملي
فيزياء I	PHY251	-	3	2	2	2
فيزياء II	PHY252	PHY251	3	2	2	2
كيمياء I	CHM252	-	3	2		2
كيمياء II	CHM352	CHM252	3	2		2
أساسيات علوم الحياةI	BIO351	-	3	2		2
تطبيقات البرمجيات	**PRG351**	**COM111**	3	2		2
أساسيات علوم البيئة	ENV352	-	3	3		
جيولوجيا عامة	GEO352	-	3	3		
موضوعات مختارة في العلوم	GEO352					

المساقات الاختيارية/ علوم: (**6**) ساعات

اسم المساق	رقم المساق	المتطلب السابق	عدد الساعات المعتمدة	عدد الساعات		
				نظري	مناقشة	عملي
فيزياء حديثة	PHY453	PHY252	3	3		
كيمياء حياتية	CHM453	CHM352	3	3		
الحرارة والضوء	PHY455	PHY252	3	3		
أساسيات علوم الحياة II	BIO452	BIO351	3	3		

- مساقات العلوم التربوية

حاضرة في الخطة الدراسية بواقع (36) ساعة معتمدة أي نسبة 27.3% من مجموع عدد الساعات المعتمدة وتشمل بالإضافة إلى التدريب الميداني حقول علم النفس، طرائق التدريس، بناء المناهج وتطويرها، التقويم التربوي، والإدارة المدرسية والصفية. يقوم قسم العلوم التربوية بكلية الانسانيات والعلوم بطرح مساقات العلوم التربوية والإشراف عليها.

- المساقات الإجبارية/ تربية: (**33**) ساعة

اسم المساق	رقم المساق	المتطلب السابق	عدد الساعات المعتمدة	عدد الساعات		
				نظري	مناقشة	عملي
أصول التربية	EDU151	-	3	3		
علم نفس النمو	EDU154	-	3	3		
بناء المناهج	EDU251	-	3	3		
علم النفس التربوي	EDU252	EDU154	3	3		

طرائق تدريس العلوم	TMS351	EDU251	3	3		
إدارة مدرسية وصفية	EDU351	-	3	3		
التقويم التربوي	EDU352	EDU251	3	3		
طرائق تدريس الرياضيات	TMS352	EDU251	3	3		
التربية العملية 1	TMS451	TMS352	3	3		
التربية العملية 2	TMS452	TMS451	6	6		

المساقات الاختيارية / تربية (**3** ساعات معتمدة):

اسم المساق	رقم المساق	المتطلب السابق	عدد الساعات المعتمدة	عدد الساعات		
				نظري	مناقشة	عملي
مهنة التعليم وأدوار المعلم	EDU451	-	3	3		
التربية ومشكلات المجتمع	EDU452	-	3	3		
التصميم التعليمي وتطبيقاته	EDU453	-	3	3		

مساقات التعليم العام الإجبارية: (**6** ساعات معتمدة):

اسم المساق	رقم المساق	المتطلب السابق	عدد الساعات المعتمدة	عدد الساعات		
				نظري	مناقشة	عملي
الإرشاد الأكاديمي	ORN111		0	1		
الثقافة الإسلامية	ISL114		3	3		
مهارات الاتصال باللغة العربية	ARB111		3	3		
الإحصاء	STA111		3	2		2
علوم البيئة	ENV111		3	3		
تطبيقات الحاسب	COM111		3	3		

رياضيات - MTH151 I

يتناول المساق أساسيات المنطق الرياضي وجداول الصواب والخطأ والإحداثيات الكارتيزية والقطبية ومعادلة الخط المستقيم في المستوى. بالإضافة لذلك يتناول المساق دراسة الدوال بأنواعها، تركيبها، وتمثيلها بيانيا والنهايات، الاتصال، والاشتقاق وقواعدها مع التأكيد على تطبيقات الاشتقاق في الفيزياء والعلوم الأخرى. يتضمن المساق كذلك مدخلاً موجزاً للأعداد العقدية.

رياضيات - MTH152 II

يتناول المساق التكامل كعملية عكسية للتفاضل، حساب التكامل المحدود، النظريات الأساسية في التكامل، طرق حساب التكامل، التكاملات المتعددة (الثنائية والثلاثية)، تطبيقات التكامل في الفيزياء والهندسة.

هندسة تحليلية MTH156

يتناول المساق الإحداثيات الكارتيزية والقطبية في المستوى ودراسة معادلة الخط المستقيم والدائرة والقطوع المخروطية كافة. ويؤكد على انتقال المحاور ودورانها مع إعطاء تطبيقات هندسية متنوعة. كما يتناول المساق الإحداثيات الكارتيزية في الفضاء الإقليدي ودراسة المستوى والمعادلات البارامترية للخط المستقيم كما يتعرض إلى تطبيقات هندسية مختلفة في الفضاء.

معادلات تفاضلية MTH251

يتناول المساق المعادلات التفاضلية الاعتيادية من الرتبة الأولى، تصنيفها وطرق حلها، وبعض التطبيقات عليها مثل: المسارات المتعامدة والدوائر الكهربائية. وكذلك المعادلات التفاضلية ذات الرتبة الثانية، الخطية، المتجانسة ذات المعاملات الثابتة وتطبيقاتها، ومسائل القيم الأولية والحدودية، ومعادلات كوشي - أويلر، والمعادلات الخطية غير المتجانسة، واستخدام سلاسل القوى في حل المعادلات التفاضلية الخطية، وتحويلات لابلاس في حل المعادلات التفاضلية.

جبر خطي MTH252

يتناول المساق المصفوفات والمحددات والعمليات الجبرية عليها ومعكوس المصفوفة ومنظومة المعادلات الخطية وحلولها. كما يتناول المساق فضاءات المتجهات، الفضاءات الجزئية، أساساتها، التحويلات الخطية، نواتها، مداها، وتمثيلها كمصفوفة. كذلك يتناول المساق الجذور الذاتية والمتجهات الذاتية المرتبطة بها والفضاءات الذاتية..

تحليل متجهات MTH351

يتناول المساق تعريف المتجهات وتمثيلها الهندسي وجبر المتجهات وتطبيقاته. كما يشمل المساق تعريف الدوال المتجهية وخصائصها والحقول المتجهية وتطبيقاتها ونظريات جرين وجاوس واستوكس.

تحليل حقيقي MTH352

يتناول المساق خصائص نظام الأعداد الحقيقية ومجموعاتها الجزئية ومسلمات الحقل والترتيب والتمام ونتائجها وتبولوجيا خط الأعداد الحقيقية والمتتاليات الحقيقية ونظريات التقارب التي تبرز الخصائص الأساسية للأعداد. كما يشمل المساق التعريف بالمتسلسلات الحقيقية وخصائصها، واختبارات التقارب ومتسلسلات القوى.

جبر مجرد MTH452

يتناول المساق المجموعات وقوانين دي مورجان، العمليات الثنائية وخواصها، الزمر وخواصها والزمر الجزئية وبعض الزمر الخاصة (الإبدالية، الدائرية) ومبرهنة "لاجرانج"، وزمر التباديل والزمرة المتناوبة وبعض خواصها، ويتعرض المساق لبعض تطبيقات الزمر كما يتناول تعريف الزمرة الجزئية الناظمية، ومركز الزمرة، وتشاكل الزمر، ونواة التشاكل، والتناظر الأحادي وأمثلة عليها. كذلك التعرف على الحلقات والحقول وخواصها، وتشاكل الحلقات.

تحليل عقدي MTH451

يتناول المساق الأعداد العقدية تعريفها وخواصها والعمليات الجبرية عليها في الإحداثيات الكارتيزية والقطبية وتمثيلها هندسيا، والدوال العقدية نهايتها واتصالها واشتقاقها والدوال التحليلية، والتأكيد على بعض الدوال الأولية الأسية واللوغاريتمية والمثلثية وغيرها. كما يتناول المساق التكامل العقدي واهم النظريات والتطبيقات في هذا المجال، ثم المتتابعات والسلاسل العقدية وتطبيقاتها وعلاقتها بالتكاملات العقدية.

تحليل عددي MTH353

المساق الطرائق العددية المختلفة لحل مسائل في الرياضيات غير ممكنة الحل تحليليا حيث يتم تناول معادلات لا خطية بمجهول واحد، إضافة إلى طرائق تقريب الدالة وحل المعادلات التفاضلية عدديا ويستخدم في هذا المجال طرائق عددية لحساب التفاضل والتكامل العددي والمقارنة بينهما.

نظرية العدد MTH453

المساق بديهية الاستقراء الرياضي والخواص الأساسية للأعداد الصحيحة كالقسمة وخواصها وخوارزمية القسمة، ونظرية "إقليدس"، إيجاد القاسم المشترك الأعظم والمضاعف المشترك الأدنى، وخواص الأعداد الأولية، وحلول معادلة "ديوفانتين" الخطية، ومبرهنة الباقي الصينية، ودالة أويلر، ومبرهنة "فيرما"، وطريقة "إراتوستينز" لإيجاد الأعداد الأولية أقل من عدد صحيح ما.

تبولوجيا MTH355

المساق مقدمة في التبولوجيا العامة: تعريف الفضاءات التبولوجية وأمثلة عليها؛ الاستمرارية بين فضائين تبولوجيين والتكافؤ التبولوجي؛ الفضاءات المترية والمنتظمة؛ الفضاءات التامة؛ مسلمات العد ومسلمات الفصل؛ التراص؛ الجداء التبولوجي؛ الإتصال والإتصال المحلي.

إحصاء - II STA452

يتناول المساق التعريف بالإحصاء الاستدلالي مع التطبيقات على الدراسات التربوية. ويتضمن موضوعات من بينها توزيعات إحصاءات العينات ونظرية الغاية المركزية, التقديرات الإحصائية بشقيها النقطية والمدى, والاختبارات الإحصائية للوسط والنسبة والتباين باستخدام اختبار Z وt واختبار χ^2 إضافة إلى تحليل التباين.

وسائل معاينة STA453

يتناول المساق طرق اختيار العينات الاحتمالية - أنواع العينات الاحتمالية-تقدير معالم المجتمع بواسطة الإحصاءات من العينة, تحديد حجم العينة المناسب لأنواع العينات التي يتم تغطيتها - الأخطاء المرافقة لتقدير المعلمات من إحصاءات العينة.

فيزياء 1 PHY251

يتناول المساق المفاهيم العلمية الأساسية التي تشمل أنظمة القياس والمتجهات وحركة الأجسام في بعد واحد وفي مستوى وقوانين نيوتن في الحركة وتطبيقاتها العملية والشغل والطاقة والقدرة ونظرية الشغل والطاقة والزخم الخطي والحركة الدورانية. بالإضافة إلى مجموعة من التجارب العملية التي توضح هذه المفاهيم.

فيزياء 2 PHY252

يتناول المساق المفاهيم العلمية الأساسية في الكهرباء والمغناطيسية التي تشمل: الكهرباء الساكنة (قانون كولوم والمجال الكهربائي وقانون جاوس والجهد الكهربائي والسعة الكهربائية), الكهرباء التيارية (قانون أوم وقاعدتا كيرتشوف ودوائر التيار المستمر), المجال المغناطيسي وتأثيراته ومصادره والحث الكهرومغناطيسي وقانون فاراداي ومعادلات ماكسويل. بالإضافة إلى مجموعة من التجارب العملية التي توضح هذه المفاهيم.

كيمياء 1 CHM252

يتناول المساق أساسيات علم الكيمياء: الذرة ومكوناتها, المواد والجزيئات والمركبات, التوزيع الالكتروني والجدول الدوري, الروابط الكيميائية, المبادئ الأساسية للكيمياء اللاعضوية والفيزيائية والكهربائية وقوانينها وبعض تطبيقاتها.

كيمياء 2 CHM352

يتناول المساق دراسة الكيمياء الحرارية والحركية ودورها في سير التفاعلات الكيميائية والحيوية وكذلك يهتم المساق بدراسة الكيمياء النووية وتطبيقاتها في مجال الطاقة والغذاء والطب كما يهتم الساق بمركبات الكربون وخواصها الفيزيائية وتفاعلاتها الكيميائية وطرق تحضيرها بالإضافة إلى فوائدها واستخداماتها في مجال الصناعة ووظائفها الحيوية.

أساسيات علوم الحياة 1 BIO351

يتناول المساق دراسة المفاهيم الأساسية في علم الأحياء وتطور الأحياء عبر الزمن ويشمل دراسة الخلية الحية وأنماطها, الأساس الكيميائي للمادة الحية. دراسة الخلية كوحدة بناء للكائنات الحية بما فيها المكونات المجهرية للخلية والتطرق إلى بعض الأنماط الخلوية والنسج ووظائفها والعلاقة بين تركيب الخلية الحية ووظائفها ودراسة ماهية بعض المفاهيم العلمية كالأحياء الدقيقة والطحالب والبكتريا وغيرها كما يتم دراسة المفاهيم الخاصة للأيض الخلوي وإنتاج الطاقة ودراسة النمو في الكائنات الحية والتكامل ما بين الكائن الحي وبيئته والأسس البيولوجية لسلوك الكائن الحي ودراسة الانقسام الخلوي وطرق التكاثر ومبادئ توارث الصفات في الكائنات الحية والأسس الوراثية للحياة.

تطبيقات البرمجيات PRG351

يتناول المساق التعرف على البرمجيات المستخدمة في الرياضيات والعلوم وتطبيقاتها, مع التأكيد على استخدام البرمجيات العاملة في مجال تخصصهم, والتعرف على تطبيقات متقدمة لأمثلة في الرياضيات والعلوم باستخدام الإكسيل المتقدم بشكل تفصيلي كونه واسع الانتشار بين أجهزة الكومبيوتر, واستخدام الماتلاب MATLAB كونه أكفأ البرمجيات المستخدمة في مجال التخصص.

أساسيات علوم البيئة ENV352

يتناول المساق معرفة البيئة وعلاقتها بعلم المنظومات والعلوم الأساسية والعلاقة بين الإنسان والبيئة ومن ثم نشأة الكون ونشأة المجموعة الشمسية والشمس ومكوناتها والطاقة الشمسية وتوزيعها والأرض (نشأتها-عمرها-المجال المغناطيسي لها-طبقاتها) وكذلك يتناول الرياح والبحار والغلاف الجوي ومكوناته والقمر وأطواره وعلاقته بالمد والجزر ودورة العناصر الحيوية, والبيئات الحيوية وبيئة الجماعات والسكان والكثافة السكانية وكيفية حسابها, والتلوث البيئي ومخاطرة..

جيولوجيا عامة GEO352

يتناول المساق أصل الأرض تعريفها والتاريخ الجيولوجي للأرض ومكونات القشرة الأرضية والعمليات الداخلية والزلازل والبراكين وحرارة باطن الأرض والعمليات الخارجية (المياه السطحية والمياه الجوفية) ومغناطيسية الأرض ونظرية حركة الألواح والخرائط الطوبوغرافية والخرائط الجيولوجية، والبلورات بتراكيبها المختلفة والمعادن وصفاتها وكذلك يتناول المساق الصخور بأنواعها النارية والمتحولة والرسوبية، كذلك يتناول المساق تعريف الطالب بالتراكيب الجيولوجية والطبقات الصخرية المختلفة والاحافير وموارد الأرض.

موضوعات مختارة في العلوم STS351

يتناول المساق مواضيع متخصصة في مجال العلوم في أحد المحاور التالية:

الفلك ويشمل نظرية نشوء الكون، المجرات والمجموعة الشمسية، ونبذة عن المراصد الفلكية وماهية الثقوب السوداء والأشعة الكونية.....

الطاقة البديلة ويشمل مقدمة عن التطور التاريخي لاستخدام الطاقة وطبيعتها ومصادرها، وأهمية ترشيد استهلاك الطاقة في مختلف القطاعات، وأنواع الطاقة البديلة النظيفة مثل الطاقة الشمسية، طاقة الرياح، طاقة الهيدروجين والطاقة النووية....

النانوتكنولوجي وتشمل الخلفية التاريخية لها ومراحل تطورها واستخداماتها الحديثة في مجالات الطب والهندسة والعلوم الأساسية والفضاء والطاقة والبحث العلمي...

فيزياء حديثة PHY453

يتناول المساق نظرية النسبية الخاصة والسلوك المزدوج للمادة والإشعاع والبنية الذرية للمادة وميكانيكا الكم ومعادلة شرودنجر والنشاط الإشعاعي والمكونات النووية وبنية المادة الصلبة ونظرية الحزم الطاقية.

كيمياء حياتية CHM453

يتناول المساق معرفة التركيب الكيميائي للمركبات الحيوية التي تدخل في تركيب جسم الكائن الحي وغذائه وعلاقة ذلك بوظيفتها الحيوية في جسم الإنسان ويركز المساق على دراسة التغيرات الحيوية التي تحدث للمركبات الكيميائية المكونة للغذاء بعد تناوله وكيفية قيام الخلية باستخلاص الطاقة من مكونات الغذاء نتيجة عمليات التمثيل الغذائي ومعرفة ميكانيكية البناء للأحماض النووية والبروتينات في الكائن الحي. ويهتم المساق بتفسير الظواهر الحياتية والصحية والنفسية للفرد على ضوء عمليات التمثيل الغذائي.

الحرارة والضوء PHY455

يتناول المساق المفاهيم الأساسية في علم الحركة الحراري (Thermodynamics) وقوانينه مع بعض التطبيقات على القانون الثاني والقانون الثالث في علم الحركة الحراري.

كما يتناول المساق التعرف على طبيعة الضوء والمرايا والعدسات وتوضيح بعض مفاهيم الضوء الفيزيائي مثل التداخل والحيود والاستقطاب ونختتم المساق بتزويد الطالب بمبادئ فيزياء الليزر.

أساسيات علوم الحياة 2 BIO452

يتناول المساق دراسة فسلجه الانسان دراسة ميكانيكية والتأكيد على المفاهيم الأساسية في علم الوراثة والوراثة المندلية والسيتوبلازمية وكذلك دراسة الصفات الوراثية المتعلقة بالكروموسومات الجنسية والامراض المتعلقة بها.

وكما يتطرق المساق الى دراسة مبادئ الهندسة الوراثية والاستنساخ والتطبيقات الحالية والمستقبلية للهندسة الوراثية في عدد من المجالات العلمية ودراسة بعض المشاكل التي تؤديها الاستعمالات المفرطة في عدد من المجالات، ودراسة بعض الطفرات الجينية ودراسة أنواع الكائنات الحية والامراض التي تسببها مع التركيز على دراسة هذه الامراض من ناحية فسلجية وجزيئية والتطرق الى طبيعة الجهاز المناعي والتعرف على بعض الامراض المناعية التي تصيب الانسان في بيئته وطرق الحفاظ على صحته الجسمية والنفسية.

أصول التربية (EDU151)

يتناول المساق جوانب عديدة من التربية ومنها معناها، الأهداف التربوية وانواعها ومصادر اشتقاقها، الأسس المبنية عليها التربية: الفلسفية والتاريخية والاجتماعية والنفسية والاقتصادية، الركائز الأساسية للعملية التعليمية، الأصول التي يستند إليها مفهوم التربية التاريخية ومنها التربية في المجتمعات البدائية والتربية في المجتمعات الغربية القديمة والتربية في العصور الوسطى والتربية في العصور الحديثة. كما يتناول المساق الأصول الاجتماعية والأصول الفلسفية ونماذج من الفلسفات التربوية والأصول النفسية التي يستند إليها مفهوم التربية.

بناء المناهج وتطويرها (EDU251)

يتناول المساق المفهوم التقليدي والمفهوم الحديث للمنهج، وأسس بناء المناهج وعناصرها وأنواعها وتنظيماتها، وتحليل المحتوى التعليمي مفهومه وإجراءاته، ويتناول المساق كذلك عمليات المنهج التربوي الحديث: التصميم والتنفيذ وبعض نماذج بناء المناهج الحديثة وعمليتي تقويم المنهج وتطويره

علم نفس النمو (EDU154)

يتناول المساق تعريف الطالب بمفهوم علم نفس النمو وأهميته وتطوره وأهدافه ومناهج البحث فيه، كما تعرفه على قوانين النمو ومبادئه والعوامل المؤثرة فيه. تضمن المساق ايضا نظريات النمو وتطبيقاتها ومنها النظرية النفسية دينامية ونظرية النمو الاجتماعي لإريكسون ونظرية النمو المعرفي لبياجيه ونظرية النمو الأخلاقي لكولبيرج. اولى المساق ايضا اهتماما في مراحل النمو لدى الأطفال والمراهقين وتطبيقاتها التربوية والمراحل تضمنت: النمو الجسمي والحركي، النمو العقلي، النمو اللغوي، النمو الانفعالي، النمو الاجتماعي، خصائص مرحلة المرهقة جسمياً واجتماعياً.

علم النفس التربوي (EDU252)

يتناول مساق علم النفس التربوي في البداية تعريفه ونشأته وجوانبه وأهدافه وطرق البحث المستخدمة فيه. كما تضمن المساق الأهداف التعليمية ومستوياتها واشتقاقاتها ومجالاتها، مفهوم التعلم وشروط حدوثه، نظريات التعلم وتطبيقاتها ومنها: نظريات التعلم السلوكية، نظريات التعلم المعرفية، وابدى المساق اهتماما ايضا الي المواضيع التالية: الدافعية والتحصيل الدراسي، الفروق الفردية في القدرات العقلية، نظريات الذكاء، أنواع التفكير وطرق تنميته ومنها التفكير الابتكاري، التفكير الناقد، تفكير حل المشكلات

التقويم التربوي (EDU352)

يتناول المساق مفاهيم القياس، التقييم، مبادئ التقويم وأنواعه، تصميم جدول المواصفات للاختبارات التحصيلية الصفية، تصميم فقرات الاختبار المقالية، تصميم فقرات الاختبار الموضوعية ومنها: التكملة ومطابقة العناصر والصح - الخطأ والاختيار من متعدد، كما تناول المساق تطبيق الاختبار التحصيلي ومرحلة التصحيح ومعاييره، تفسير نتائج الاختبارات. وابدى المساق اهتماما ايضا الي المواضيع التالية: مفهوم تقنين الفقرات الاختيارية ويشمل الثبات وكيفية حسابه، الصدق وكيفية حسابه، معامل سهولة وصعوبة الاختبار، معامل تمييز الاختبار، وتقييم المهارات العملية والمشاريع والواجبات والمناقشة في الصف.

التقنيات في التعليم (EDU253)

يقدم هذا المساق للطالب المعارف والمهارات اللازمة لاستخدام تكنولوجيا التعليم في عمليات التعلم وتشمل مفهوم التكنولوجيا والتطور التاريخي للمفهوم ، أنواع التكنولوجيا المستخدمة في التعليم وخصائصها وكيفية استخدامها ، خصائص البيئات التعليمية القائمة علي التكنولوجيا ، استراتيجيات دمج التكنولوجيا في التعليم ، تقويم فاعلية التكنولوجيا المدمجة في التعليم ، الحماية وامن المعلومات واخلاقيات استخدام التكنولوجيا، تعريف المنظومة والمدخل النظمي ، التخطيط للدروس باستخدام نموذج أشور ، تصميم المشروعات التعليمية التقنية. اما التطبيقات العملية للمساق فتشمل استخدام برمجيات الوسائط المتعددة برامج المحاكاة والبرامج القائمة على الحقيقة الافتراضية، تكامل التكنولوجيا في المنهج - التطبيق العملي بتصميم أدوات لتدريس موضوع في التخصص، تصميم أدوات لتدريس موضوع في التخصص وأدوات التواصل الإلكتروني. كما يركز المساق علي دور التقنية في النمو المهني للمعلم، تكنولوجيا التعليم واستخدامها في تقييم التعلم، ملف الإنجاز الالكتروني، التقنيات التربوية الحديثة وتطبيقاتها.

الإدارة المدرسية والصفية (EDU351)

يتناول هذا المساق مفاهيم الإدارة التربوية والمدرسية والصفية وعملياتها، أهميتها ودورها في تحقيق أهداف المؤسسة التعليمية، كما يتناول الفرق بين الإدارة التربوية، الإدارة التعليمية، الإدارة المدرسية، والإدارة الصفية، ويتناول عمليات الإدارة المدرسية التخطيط - التنظيم - الاتصال، الاتجاهات السائدة في الإدارة التربوية، مهام الإدارة المدرسية وأنماطها والعوامل المؤثرة فيها، والتحديات التي تواجهها ومن ضمنها المسؤوليات الإدارية والفنية والمهنية لمدير المدرسة. كما يتناول المساق استراتيجيات الإدارة الصفية الناجحة مفهومها ودور المعلم فيها، عمليات الاتصال والتواصل وأهميتها في الادارة الصفية، العلاقة ما بين الادارة المدرسية والمجتمع المحلي، مجالس الآباء والمعلمين، النشاطات المدرسية: مفهومها تطورها أهميتها وأهدافها.

طرائق تدريس الرياضيات (TMS352)

يتناول المساق نشأة الرياضيات وتطورها ومقارنة بين الرياضيات التقليدية والحديثة، مبادئ ومعايير تدريس الرياضيات، معايير الرياضيات المدرسية، وتطبيقاتها على مناهج الرياضيات بدولة الإمارات العربية المتحدة، الاستعداد لتعلم الرياضيات وفق نظريات بياجيه، جانييه، منهج الرياضيات ومكوناته وأسس بنائه. كما يركز المساق على استراتيجيات تدريس كل من المفاهيم الرياضية والتعميمات الرياضية والمهارات والخوارزميات الرياضية إضافة إلى استراتيجيات حل المشكلة الرياضية مع تعزيز ذلك من خلال نماذج وأمثلة من كتب الرياضيات المدرسية المقررة. ويعالج هذا المساق أيضاً تنمية قدرة الطلبة على حل المسالة الرياضية، معايير التقويم الخاصة بالرياضيات وتدريسها، التخطيط لتدريس الرياضيات في مرحلة التعليم الأساسي.

طرائق تدريس العلوم (TMS351)

يتناول المساق طبيعة العلم وبنيته وأهداف تدريس العلوم (العامة والخاصة) وعمليات العلم الأساسية والمتكاملة، والمهارات العلمية واكتساب الاتجاهات العلمية وتنميتها ونظرية جانييه وتدريس العلوم، نظرية بياجية وتدريس العلوم. بالإضافة الى الأهداف التربوية في تدريس العلوم، صياغة الأهداف السلوكية (منهج العلوم بدولة الإمارات العربية المتحدة كنموذج). كما يتضمن المساق تعريف الطلبة بعدد من طرائق تدريس العلوم المختلفة ومنها طريقة التقصي والاستكشاف وطريقة التعليم التعاوني وطريقة المختبر وطريقة الرحلات الحقلية وطريقة خريطة المفاهيم ودورة التعلم. كما يساعد المساق المتعلمين على معرفة أهمية التخطيط، ميزات التخطيط، أنواع التخطيط، الخطة الدراسية الفصلية والخطة الدراسية اليومية، إعداد معلم العلوم، كفايات معلم العلوم.

تربية عملية 1 (TMS451)

مساق تربية عملية1 هو: المرحلة الأولى من البرنامج العملي لبرامج إعداد المعلمين ويتضمن: التدريس المصغر، المشاهدة، ملف الإنجاز، مشاهدة تمهيدية للمدرسة ومرافقها، وفيه يطور الطالب المعلم المهارات التدريسية الأساسية لمزاولة مهنة التدريس مثل التهيئة الحافزة والشرح وطرح الأسئلة، والتفاعل الصفي والإدارة الصفية وتكنولوجيا التعليم وإثارة الدافعية والغلق. كذلك يوفر المساق للطالب المعلم فرصا لمشاهدات ميدانية لمواقف صعبة وعملية التعلم والتعليم والأنشطة الصفية واللاصفية في بيئة المدرسة والصف الدراسي. وفي نهاية المساق يقوم الطالب بتطبيق درس متكامل في مجال تخصصه ومن ثم يتم تقييم ملف الإنجاز.

تربية عملية 2 (TMS452)

إن التربية العملية (2) تتيح للطالب المعلم فرصته لمزاولة مهنة التدريس تحت الإشراف الأكاديمي والإشراف التربوي وتطوير كفاياته العلمية والتربوية نحو الأفضل، وفق عناصر مساق التربية العملية الآتية: (الإعداد والتهيئة، المشاهدة، تحليل مواقف تعليمية معدة من قبل، تحليل مناهج مادة التخصص، التدريس الجزئي، التدريس الكلي، ملف الإنجاز)، وذلك خلال فترة التطبيق الميداني في المدرسة.

مهنة التعليم وأدوار المعلم (EDU451)

يتناول هذا المساق المنظومة التعليمية وعناصرها ومهنة التعليم وأهميتها ومعاييرها، ومدرسة المستقبل والأدوار المتجددة للمعلم فيها، ويتناول كذلك عملية الاتصال والتواصل في الموقف التعليمي وصياغة الأسئلة الصفية، وتعليم مهارات التفكير للطلبة، وأخلاقيات مهنة التعليم والعلاقات الإنسانية، والإدارة الصفية الناجحة والتكوين المهني للمعلم، وإعداد المعلم وأهم التحديات التي تواجهها مهنة التعليم.

التصميم التعليمي وتطبيقاته (EDU452)

يتناول المساق المفاهيم المتعلقة بتكنولوجيا التعليم والتصميم التعليمي. كما يتناول العلاقة بين نظريات التعلم والتصميم التعليمي ونماذج التصميم التعليمي، كما يتناول المساق مراحل تصميم المنظومة التعليمية وتدريب الطلبة على تطبيق هذه المراحل حسب المواقف المختارة.

Bachelor of Education in Teacher Training Program in Arabic Language & Islamic Studies

The Arabic and Islamic Studies program aims at academically preparing a generation of graduates; holders of a college degree in Arabic Language and Islamic Studies who are able to participate in the enrichment of the intellectual, cultural and educational institutions in and out of the UAE. The program reflects the diversity and complexity of the Arabic/Islamic culture and civilisation. While studying Arabic Language and Islamic Studies, the students will learn about the linguistics and culture of Arabic across history. They will also learn about the teaching methodology of Arabic language and Islamic studies and using the educational technology and its applications. It helps students realise how Arabic language has grown over centuries. Arabic Language and Islamic Studies can set students off on many career paths; they can become lecturers or teachers. This field, in addition to the teaching profession, can help graduates join the fields of business, journalism, etc. Moreover, the program is introduced in Arabic and accredited by the Ministry of Education – Higher Education Affairs.

Admission Requirements:

- A certified UAE secondary school certificate or its equivalent, with a minimum average grade 60 percent.
- Passing an interview that is run by the college.

Graduation Requirements:

- Students are required to complete a total of 132 credit hours and a minimum of 2.0 GPA out of 4.0.
- Students should successfully pass 42 courses.

Career Opportunities:

- Teaching in the elementary and secondary schools.
- Working in institutions related to the areas of media, endowment (Awqaf) Authority, legislative courts, educational management etc.

برنامج
اعداد معلم في اللغة العربية والدراسات الإسلامية

المقدمة

بدأ طرح برنامج "بكالوريوس في التربية / تخصص إعداد معلم في اللغة العربية والدراسات الإسلامية في كلية عجمان الجامعية. (والتي تأسست في العام 1988). تحت اسم "بكالوريوس أساليب وتقنيات التعليم تخصص إعداد معلم اللغة العربية والدراسات الإسلامية "

وحصل البرنامج على الاعتماد الأكاديمي في العام 1995 وتم تجديد اعتماد البرنامج للمرة الأولى في العام الدراسي 2001-2002 ثم في العام 2006-2007 للمرة الثانية وقد أدخل بعض التعديلات لتطويره. فاستبدل اسمه الحالي وهو: "بكالوريوس في التربية / تخصص إعداد معلم بكالوريوس في التربية / تخصص إعداد معلم في اللغة العربية والدراسات الإسلامية ".

BACHELOR OF EDUCATION- TEACHER TRAINING IN ARABIC LANGUAGE & ISLAMIC STUDIES

بالاسم القديم "بكالوريوس أساليب وتقنيات التعليم تخصص إعداد معلم اللغة العربية والدراسات الإسلامية ".

يطرح هذا البرنامج تخصصاً في كلية الانسانيات والعلوم بجامعة عجمان للعلوم والتكنولوجيا في مقربها بعجمان والفجيرة. ويشرف عليه "قسم اللغة العربية والدراسات الإسلامية".

الرؤية والرسالة:

يندرج برنامج "بكالوريوس في التربية / تخصص إعداد معلم في اللغة العربية والدراسات الإسلامية " في صميم رسالة جامعة عجمان للعلوم والتكنولوجيا المتمثلة في «رفد المجتمع بخريجين متميزين قادرين على تلبية حاجات المجتمع والإسهام في تطويره ورفاهيته. وتوفير آليات تعليم وتعلم عالية الجودة ومعتمدة دولياً. منتقاة بعناية ومكيفة لتنسجم مع قيم المجتمع وتقاليده ومتطلباته مع التزام تحقيق التميز. والحرص على مراجعة وتحديث المقررات والبرامج الأكاديمية بصفة مستمرة من خلال تبني آخر التطورات العلمية والتقنية والاستجابة لاحتياجات المجتمع الراهنة والمستقبلية تحقيقاً للانسجام بين الأبعاد الثلاثة لشبكة الجامعة (التعليم والمعلومات والاستثمار) وتجسيداً لرؤية شاملة تعكس الطموح الوطني في التقدم والحداثة. لكن مع صون الثقافة والهوية الوطنية والحفاظ على التقاليد والقيم الأصيلة».

رسالة البرنامج:

انسجاماً مع رؤية الجامعة وفلسفتها. ورسالة كلية الانسانيات والعلوم. يسعى القسم إلى إعداد وتأهيل كادر من المعلمين قادر على تحقيق رسالته في تدريس اللغة العربية. والدراسات الإسلامية للمرحلة الابتدائية العليا - الحلقة الثانية (4-6). والإعدادية (7-9).

أهداف البرنامج:

أهداف البرنامج مع تنسجم مع رسالة الكلية ورؤية الجامعة وفلسفتها.

وتالياً أهداف البرنامج:

1. إكساب المعرفة في مجالات الأدب اللغة والنحو.
2. تطوير مهارات الاتصال في للغة العربية (الاستماع والتحدث والقراءة والكتابة).
3. إكساب المعرفة في مجالات العقيدة والقرآن وعلومه. والفقه. والسيرة النبوية. وتاريخ الخلفاء الراشدين. والحديث

الشريف.

4. تطوير مهارات تلاوة القرآن وتجويده، وقراءة النصوص الشرعية واستيعابها.
5. إكساب المعرفة والمهارات والاتجاهات اللازمة لمزاولة مهنة التعليم.
6. تنمية قدرات الطالب في البحث العلمي، والتواصل الاجتماعي واتخاذ القرارات.

شروط القبول

اتخذت كلية الانسانيات والعلوم خطوات لاختيار الطلبة في برنامج البكالوريوس في التربية تخصص إعداد معلم في اللغة العربية والدراسات الإسلامية من بين المتقدمين للبرنامج في بداية كل فصل دراسي. ويقبل الطالب إذا توفرت فيه الشروط الآتية (كما وردت في دليل الجامعة):

1. الحصول على شهادة الثانوية العامة (القسم العلمي أو الأدبي) بمعدل لا يقل عن 60% الصادرة في دولة الإمارات العربية المتحدة أو ما يعادلها من أي دولة أخرى.
2. اجتياز مقابلة شخصية لمعرفة مدى ملاءمة الطالب جسدياً ومهنياً بنجاح.

فرص العمل

1- العمل معلما في وزارة التربية والتعليم في مدارس التعليم العام والخاص.
2- العمل في وزارة الأوقاف والشؤون الإسلامية
3- العمل في الإعلام.

متطلبات الدرجة العلمية

يتطلب إتمام البرنامج إنجاز (132) ساعة معتمدة :(33) ساعة معتمدة في اللغة العربية وتمثل 25% من مجموع عدد الساعات المعتمدة. و(33) ساعة معتمدة في الدراسات الإسلامية وتمثل 25% من مجموع عدد الساعات المعتمدة و(36) ساعة معتمدة في العلوم التربوية و(30) ساعة معتمدة متطلبات جامعة.

الخطة الدراسية

السنة الدراسية	الفصل الدراسي الاول				الفصل الثاني من العام الدراسي			
	رقم المساق	اسم المساق	عدد الساعات	متطلب سابق	رقم المساق	اسم المساق	عدد الساعات	متطلب سابق
السنة الأولى	COM111	تطبيقات الحاسب الالي	3	-	STA111	الإحصاء	3	-
	ISL114	الثقافة الإسلامية	3	-	ISL152	السيرة النبوية	3	-
	ARB111	مهارات الاتصال باللغة العربية	3	-	ENG151	ENGLISH	3	-
	EDU151	أصول التربية	3	-	ISL153	علوم القرآن وأصول التلاوة	3	-
	ISL151	المدخل إلى دراسة الشريعة الإسلامية	3	-	-	اختياري جامعة(1)	3	-
	ARB151	نحو 1	3	-	EDU153	علم نفس النمو	3	-
السنة الثانية	EDU251	بناء المناهج وتطويرها	3	-	-	اختياري عربي (1)	3	-
	EDU351	إدارة مدرسية وصفية	3	-	EDU252	علم النفس التربوي	3	EDU153
	-	اختياري جامعة 2	3	-	ARB254	الصرف	3	ARB151
	-		3	-	ISL352	فقه الأحوال الشخصية	3	-
	-	اختياري اسلامية 1	3	-	EDU253	تقنيات التعليم	3	COM111
	ARB251	الأدب الإسلامي والأموي	3	-	ARB256	الأدب العربي الحديث	3	-
السنة الثالثة	TAL351	طرائق تدريس التربية الإسلامية	3	EDU251	TAL352	طرائق تدريس اللغة العربية	3	EDU251
	ISL351	العقيدة الإسلامية	3	-	EDU352	التقويم التربوي	3	EDU251
	ARB352	بلاغة 1	3	-	ARB349	البلاغة (2)	3	ARB352
	ISL255	فقه العبادات	3	-	ISL357	تفسير تحليلي	3	ISL153
	-	متطلب جامعي اختياري (3)	3	-	ARB353	نحو 2	3	ARB151
	-	اختياري اسلامية(2)	3	-	ISL360	فقه المعاملات	3	-
-	ISL451	أحاديث الأحكام	3	-	ARB455	النقد الأدبي	3	ARB256

-	اختياري عربي (2)	3	-	TAL452	التربية العملية (2)	6	TAL451
ARB454	فقه اللغة	3	ARB151	-	اختياري تربوي	3	-
TAL451	التربية العملية(1)	3	TAL351 TAL352				

قائمة بالمساقات الاختيارية للتخصص:

المساقات الاختيارية / الدراسات الإسلامية (6 ساعات)						
رقم المساق	اسم المساق	المتطلب السابق		رقم المساق	اسم المساق	المتطلب السابق
ARB253	أدب جاهلي			ISL356	أصول وأساليب الدعوة	
ARB451	أدب عباسي			ISL355	فقه السيرة	
ARB252	العروض والقافية			ISL253	علوم الحديث	
ARB462	نصوص تطبيقية			ISL251	أصول الفقه	

المساقات التربوية الاختيارية

رقم المساق	اسم المساق	المتطلب السابق
EDU451	مهنة التعليم	
EDU452	التربية ومشكلات المجتمع	
EDU453	التصميم التعليمي وتطبيقاته	

التوصيف المختصر للمساقات

نحو (1) (ARB151)

يتناول المساق: المفاهيم والمصطلحات النحوية، والمبني والمعرب، المبني من الأسماء، الضمائر، أسماء الإشارة، والأسماء الموصولة، أسماء الشرط، أسماء الاستفهام، المبني من الأفعال: الفعل الماضي، فعل الأمر، المضارع المبني، والمعرب من الأسماء والأفعال: الفعل المضارع والأفعال الخمسة، والمعرب من الأسماء: المثنى، جمع المذكر السالم، جمع المؤنث السالم، والمنصوبات: المفعول به، المفعول المطلق، المفعول لأجله، المفعول معه، المفعول فيه، الحال، التمييز.

الأدب الإسلامي والأموي (ARB251)

يتناول المساق: أثر القرآن الكريم والحديث النبوي الشريف في اللغة والأدب، وموقف الإسلام من الشعر والشعراء، ودراسة أعلام عصر صدر الإسلام في الشعر والخطابة. كما يدرس أبرز تيارات الشعر الأموي كالنقائض والشعر السياسي والزهد والغزل، ويتناول فني الخطابة والترسل الفني في العصر الأموي، ويحيط في دراسته بالطوابع الفنية كما ينمي الذوق الأدبي، وذلك عن طريق دراسة النصوص الشعرية والنثرية.

نحو (2) (ARB353)

يتناول المساق: المفاهيم والمصطلحات النحوية، والجملة الاسمية: المبتدأ والخبر، ما يدخل على الجملة الاسمية من النواسخ: "كان" وأخواتها، أفعال المقاربة، "إنّ" وأخواتها، ظنّ وأخواتها، الجملة الفعلية: الفاعل ونائبه وأحكامهما، أفعال التعجب، أفعال المدح والذم، الجمل التي لها محل من الإعراب، والجمل التي لا محل لها من الإعراب، التوكيد، النعت، البدل، العطف، أحكام العدد.

البلاغة (1) (ARB352)

يتناول المساق: التعريف بالفصاحة والبلاغة، ومفهوم علم المعاني، ونشأته، وتطوره، وصلته بالأسلوب، الخبر وخروجه عن مقتضى الظاهر، الإنشاء وتقسيماته وأغراضه، وأحوال المسند إليه والمسند، القصر تعريفه وطرقه، الإيجاز والإطناب والمساواة، مفهوم علم البديع، ونشأته وتطوره، والمحسنات البديعية المعنوية وأثرها في تزيين اكلام وتحسينه، سواء في الشعر أم في فنون النثر المختلفة.

الصرف (ARB254)

يتناول المساق: المصطلحات والمفاهيم التعريف بعلم الصرف، ومصادره وتاريخه، الميزان الصرفي من الأسماء والأفعال، أوزان الثلاثي المجرد، أوزان الثلاثي المجرد، أوزان المزيد على الثلاثي المجرد، أوزان الرباعي المجرد والمزيد، مصادر الثلاثي، مصادر الرباعي، المصدر الميمي، المصدر الصناعي، اسم المرة واسم الهيئة، اسم الفاعل، وصيغ المبالغة، اسم المفعول، اسم الزمان، اسم المكان، اسم الآلة، التصغير وأحكامه، النسب وأحكامه، الإعلال، الإبدال.

البلاغة (2) (ARB349)

يتناول المساق: المفاهيم والمصطلحات البلاغية مقدمة مختصرة عن: علاقة البلاغة بعلم إعجاز القرآن، وعلاقتها ببقية علوم العربية، وعلم البيان ومكانته في البلاغة، والتشبيه: أقسامه وأنواعه، والمجاز: العقلي والمرسل، والاستعارة وأقسامها، والكناية وأقسامها، وعلم البديع وتعريفه، البديعيات وأول من نظم فيها، دراسة المحسنات اللفظية: الجناس: تعريفه وأقسامه، السجع، الازدواج، الموازنة، الترصيع، لزوم ما لا يلزم، رد العجز على الصدر، المواربة، التسميط، الاكتفاء، التطريز، نبذة عن السرقات الشعرية.

الأدب العربي الحديث (ARB256)

يتناول المساق: المفاهيم والمصطلحات وعوامل ازدهار الأدب في العصر الحديث من امتزاج الثقافات وانتشار الطباعة والصحافة والترجمة، وكذلك الاطلاع على: أهم المذاهب الأدبية والفنية، ووجوه الإبداع فيها، وأبرز أعلامها في مجال الشعر كالبارودي وشوقي ومطران وحافظ وأعلام مدرسة أبولو، ثم الانتقال بعد ذلك إلى دراسة النثر ممثلاً في: القصة، والمسرحية، والمقالة، والسيرة الذاتية، والرسالة.

النقد الأدبي (ARB455)

يتناول المساق: المفاهيم والمصطلحات النقدية والتعريف بالنقد ومناهجه واتجاهاته، وبيان حاله في العصر الجاهلي وصدر الإسلام، والتطور المتنامي بعد ذلك، والتعرف على أبرز أعلامه، ودراسة قضية: اللفظ والمعنى، والسرقات الأدبية، وعمود الشعر، ثم دراسة نماذج تطبيقية من النقد القديم والحديث.

فقه اللغة (ARB454)

يتناول المساق: مفاهيم ومصطلحات فقه اللغة وتراث فقه اللغة، والفروق بين علم اللغة وفقه اللغة، وعناصر اللغة وأقسام علم اللغة وأصل اللغات وأشهر فصائلها، العربية قبل الإسلام وسيادة لهجة قريش، وأثر القرآن في اللغة العربية، وخصائص اللغة العربية وموقعها بين اللغات والتعريف بخصائص العربية (الإعراب والاشتقاق والترادف والتضاد والمشترك اللفظي) والأصوات اللغوي ومخارجها وصفاتها ودراسة نصوص تطبيقية من كتب فقه اللغة.

الأدب الجاهلي (ARB253)

يتناول المساق: المصطلحات والمفاهيم وشعر العرب قبل الإسلام: فيمهد لحياة العرب العامة في العصر الجاهلي، ويعرض لبدايات الشعر وروايته وتدوينه وتوثيق مصادره، ثم يتناول بالدراسة والتحليل ظواهره الفنية وخصائصه، ويعنى أيضا بالتعرف على الشعراء الجاهليين ومذاهبهم الشعرية المتعددة مهتماً بنماذج من شعرهم، ويولي عنايته بما ورد من نثر جاهلي: فيدرس أنواعه وموضوعاته.

العروض والقافية (ARB252)

يتناول المساق: المصطلحات والمفاهيم وعلم العروض والقافية: ويعنى بموسيقا الشعر وايقاعاته المختلفة التي تمثلت في بحور الخليل، ويشمل معرفة أوزان البحور وتفعيلاتها وتقطيعها، والكتابة العروضية، وما يطرأ على التفعيلات من تغيير، وملاءمة الأوزان للمقاصد الشعرية، ويتناول القافية وتعريفها وحروفها، وكذلك يعنى بمعرفة القافية، وحروفها، وحركاتها، ونوعها من حيث الإطلاق والتقييد، وأقسام كل نوع، وألقابها، وعيوبها.

الأدب العباسي (ARB451)

يتناول المساق: لمحة عن الحياة السياسية والعقلية والاجتماعية في العصر العباسي، وأبرز قضايا التجديد فيه من خلال الوقوف عند بعض أبرز الشعراء مثل: بشار، وأبو العتاهية، وأبو تمام، والبحتري، وابن الرومي، والمتنبي، وأبو فراس، والمعري. وكذلك أعلام النثر: ابن المقفع، والجاحظ، والهمذاني، وابن العميد، مع دراسة النماذج الشعرية والنثرية وتحليلها.

علوم القرآن وأصول التلاوة والتجويد (ISL153)

يتناول المساق: التعريف بالقرآن، والوحي، والمكي والمدني، ونزول القرآن، وأول وآخر ما نزل، وأسباب نزوله، وجمعه وترتيبه، ونزوله على الأحرف السبعة، وقراءاته، ومحكمه ومتشابهه، وعامه وخاصه وناسخه ومنسوخه، وإعجازه، وأمثاله، وأقسامه، وقصصه، والتفسير وكتبه، وأصول التلاوة وقواعدها وتطبيقاتها.

المدخل لدراسة الشريعة الإسلامية (ISL151)

يتناول المساق: مدخلاً يبين ضرورة وجود التشريعات لتنظيم الحياة الاجتماعية والشخصية للإنسان، ثم تعريفا بالشريعة والفقه، وبيان خصائصهما، ومباحث عن مصادر التشريع الإسلامي، وبيان الأدوار التاريخية التي مر بها الفقه الاسلامي، والتعريف بأبرز المجتهدين ومذاهبهم، ودراسة بعض القواعد الكلية في الفقه الاسلامي.

فقه العبادات (ISL255)

يتناول المساق: أهم الأحكام المتعلقة بالعبادات، كأحكام الطهارة، من وضوء وغسل وتيمم، وبعض الأحكام الشرعية الخاصة بالنساء، وأحكام الصلاة من حيث وجوبها وأوقاتها وشروطها وأركانها، وصلاة الجمعة والعيدين، وصلاة الكسوف والاستسقاء، وصلاة الجنازة، وأحكام الزكاة ومصارفها، وأحكام الصوم، وأحكام الحج والعمرة.

السيرة النبوية (ISL152)

يتناول المساق: كل ما يتعلق بسيرة النبي صلى الله عليه وسلم من حيث مصادرها، وأهمية دراستها دراسة تحليلية معمقة. أحوال العرب قبل الإسلام وقبيل البعثة الشريفة، ثم العهد المكي وأهم أحداثه، وموقف العرب وقريش من الرسالة وتحليل ذلك الموقف من جميع المواقف. ثم الحديث عن الهجرة إلى الحبشة والهجرة إلى المدينة وبيان أسبابها ودواعيها، ثم العهد المدني وإنشاء الدولة الإسلامية الأولى في المدينة، وأهم الأحداث في هذه الفترة، والدروس المستنبطة منها.

فقه الأحوال الشخصية (ISL352)

يتناول المساق: مدخلاً إلى الأحوال الشخصية: الزواج، وحكمه وحكمته والمحرمات من النساء وأسباب التحريم، والخطبة وما يتعلق بها من أحكام. كما يتضمن: عقد النكاح وشروط صحته، والأنكحة الفاسدة وما يترتب عليها من فسخ العقد وغيره. والولاية في النكاح وأنواعها وشروط الولي، والأنكحة المنهي عنها. كما يتناول بالتفصيل المهر وأحواله وأنواعه ومتعة الطلاق والنفقة وأسباب وجوبها، وحقوق الزوجين المشتركة، وحقوق كل واحد منهما على الآخر. وفُرَق النكاح: الطلاق، الخلع، وفسخ العقود وأسبابه، ودراسة مباحث: العدة والرضاعة، والحضانة، وثبوت النسب، والحجر.

العقيدة الإسلامية (ISL351)

يتضمن هذا المساق دراسة لأصول الإيمان الستة، الإيمان بالله تعالى وملائكته وكتبه ورسله واليوم الآخر، وما يشتمله من بيان العلامات القيامة الكبرى والصغرى والبعث والحشر والحساب والجنة والنار، ويتناول أيضاً بيانا لنواقض الإيمان والتعريف ببعض الملل والنحل والرد على أباطيلهم.

التفسير التحليلي (ISL357)

يتناول المساق: تفسير آيات الأحكام الواردة في القرآن الكريم، حيث يتم اختيار بعضها كالسحر والربا والطلاق وأمثالها للتفسير التحليلي الذي يشمل دراسة النصوص القرآنية من الناحية اللغوية والقراءات وأسباب النزول والأحكام الشرعية بالمذاهب الفقهية، وأقوال المفسرين القدامى والمحدثين.

فقه المعاملات (ISL360)

يتضمن هذا المساق: دراسة بعض من أبواب الفقه في المعاملات كالبيع وحكمه، ومشروعيته، وأركانه، وشروطه. وبعض المباحث المتعلقة به كالخيار، وأنواعه وشروطه ومدته، واختلاف المتبايعين في شأن المبيع. والسلم والرهن والقرض والحجر، والمضاربة، والشركة، والإجارة، والوكالة، والحوالة، والوديعة، والهبة، والوصية.

أحاديث الأحكام (ISL451)

يتضمن هذا المساق دراسة تحليلية لأحاديث مختارة من أبواب الفقه المختلفة:

1. أحاديث من كتاب الطهارة: (حل ميتة البحر، حرمة استعمال آنية الذهب والفضة، مشروعية المسح على الخفين، مشروعية التيمم)
2. أحاديث من كتاب الصلاة: (مواقيت الصلاة، ستر العورة، استقبال القبلة، صفة الصلاة - أركان وواجبات وسنن، صلاة الجماعة، صلاة الكسوف)
3. أحاديث من كتاب الزكاة: (زكاة حلي النساء، مصارف الزكاة)
4. أحاديث من كتاب الصيام: (النهي عن تقدم رمضان بصوم، الصيام عن الغير)
5. أحاديث من كتاب الحج: (محظورات الإحرام، حرمة قطع أشجار مكة، طواف الوداع)
6. أحاديث من كتاب البيوع: (حرمة البيع على البيع، مشروعية خيار المجلس)
7. أحاديث من كتاب النكاح: (اشتراط الولي في النكاح، أحكام الخلع، أحكام العدة).

أصول وأساليب الدعوة الإسلامية (ISL356)

يتضمن هذا المساق دراسة مجملة عن الشريعة الإسلامية وخصائصها وغاياتها وأهم الأحكام المتعلقة بها، ثم بياناً بالداعي وصفاته، والمؤهلات التي تؤهله لهذا العمل، وأنواع الدعوة وأساليبها، المدعوين وأنواعهم وصفاتهم، ثم أعداء الإسلام ومواصفاتهم، والأساليب الدعوية الناجحة لعرض الإسلام والحوار مع المخالفين.

فقه السيرة (سير الخلفاء الراشدين) (ISL355)

يتضمن هذا المساق نظام الخلافة، وخلافة أبي بكر الصديق وعمر بن الخطاب وعثمان بن عفان وعلي بن أبي طالب، وسيرهم الشخصية، والإدارة والقضاء، والولاة على البلدان، والاقتصاد، والموارد المالية، والنفقات العامة، وفتوحات العرق والشام ومصر والمغرب، والفتن الداخلية كالردة ومقتل عثمان وموقعة الجمل.

أصول الفقه (ISL251)

يتضمن هذا المساق تعريف علم أصول الفقه وأهميته ودراسة مباحثه: المتعلقة بالحكم الشرعي وأقسامه كالمندوب والحرام والمكروه والمباح والعزيمة والرخصة، والحكم الوضعي وأقسامه، والسبب والشرط والمانع والصحة والبطلان، والحاكم، والمحكوم فيه وشروطه، والمحكوم عليه، والأهلية وعوارضها وأقسامها. وأدلة الأحكام الأصلية: الكتاب والسنة. والأدلة التبعية: كالإجماع والقياس، وغيرهما. وطرق استنباط الأحكام وقواعده الأصولية اللغوية: كالخاص والمطلق والمقيد والأمر والنهي والمشترك وغير ذلك.. وتعارض الأدلة والترجيح، والنسخ، والاجتهاد، والتقليد.

علوم الحديث وتدوينه (ISL253)

يتضمن هذا المساق: نشأة علم المصطلح وأشهر المصنفات فيه ومصطلحاته، وبيان أهمية هذا العلم وتاريخه، والخبر باعتبار وصوله إلينا: (المتواتر والآحاد). ويشمل دراسة: الحديث الصحيح والحسن وأقسامهما والحديث الضعيف وأنواعه، والمشترك بينها كالمرفوع والمتصل والغريب والمعنعن والمسلسل والعالي والنازل وغيرها من أنواع مصطلح الحديث. كما يتناول التعريف بعلوم الحديث كعلم تأريخ الرواة والجرح والتعديل والناسخ والمنسوخ وغريب الحديث.. وغيرها. وصفة من تقبل روايته وما يتعلق بذلك من الجرح والتعديل، والرواية وآدابها وكيفية ضبطها، ولطائف الإسناد ومعرفة الرواة.

نصوص لغوية تطبيقية (نثر وشعر) (ARB462)

يتناول المساق: تدريب الطلبة على معالجة نصوص مختارة من الشعر والنثر من عصور العربية المعروفة والتطبيق على الظواهر النحوية والصرفية والبلاغية التي تشتمل عليها تلك النصوص، وتأهيلهم لفهم النصوص فهمًا تكامليًا بين فروع علوم العربية والتركيز على طرائق التفكير النحوي لدى القدماء والمحدثين.

أصول التربية (EDU151)

يتناول المساق جوانب عديدة من التربية ومنها معناها، الأهداف التربوية وانواعها ومصادر اشتقاقها، الأسس المبنية عليها التربية: الفلسفية والتاريخية والاجتماعية والنفسية والاقتصادية، الركائز الأساسية للعملية التعليمية، الأصول التي يستند إليها مفهوم التربية التاريخية ومنها التربية في المجتمعات البدائية والتربية في المجتمعات الغربية القديمة والتربية في العصور الوسطى والتربية في العصور الحديثة. كما يتناول المساق الأصول الاجتماعية والأصول الفلسفية ونماذج من الفلسفات التربوية والأصول النفسية التي يستند إليها مفهوم التربية.

بناء المناهج وتطويرها (EDU251)

يتناول المساق المفهوم التقليدي والمفهوم الحديث للمنهج، وأسس بناء المناهج وعناصرها وأنواعها وتنظيماتها، وتحليل المحتوى التعليمي مفهومه وإجراءاته، ويتناول المساق كذلك عمليات المنهج التربوي الحديث: التصميم والتنفيذ وبعض نماذج بناء المناهج الحديثة وعمليتي تقويم المنهج وتطويره

علم نفس النمو (EDU154)

يتناول المساق تعريف الطالب بمفهوم علم نفس النمو وأهميته وتطوره وأهدافه ومناهج البحث فيه، كما تعرفه على قوانين النمو ومبادئه والعوامل المؤثرة فيه. تضمن المساق ايضا نظريات النمو وتطبيقاتها ومنها النظرية النفسية دينامية ونظرية النمو الاجتماعي لإريكسون ونظرية النمو المعرفي لبياجيه ونظرية النمو الأخلاقي لكولبيرج. اولى المساق ايضا اهتماما في مراحل النمو لدى الأطفال والمراهقين وتطبيقاتها التربوية والمراحل تضمنت: النمو الجسمي والحركي، النمو العقلي، النمو اللغوي، النمو الانفعالي، النمو الاجتماعي، خصائص مرحلة المرهقة جسمياً واجتماعياً.

علم النفس التربوي (EDU252)

يتناول مساق علم النفس التربوي في البداية تعريفه ونشأته وجوانبه وأهدافه وطرق البحث المستخدمة فيه. كما تضمن المساق الأهداف التعليمية ومستوياتها واشتقاقاتها ومجالاتها، مفهوم التعلم وشروط حدوثه، نظريات التعلم وتطبيقاتها ومنها: نظريات التعلم السلوكية، نظريات التعلم المعرفية. وابدى المساق اهتماما ايضا الي المواضيع التالية: الدافعية والتحصيل الدراسي، الفروق الفردية في القدرات العقلية، نظريات الذكاء، أنواع التفكير وطرق تنميته ومنها التفكير الابتكاري، التفكير الناقد، تفكير حل المشكلات

التقويم التربوي (EDU352)

يتناول المساق مفاهيم القياس، التقييم، مبادئ التقويم وأنواعه، تصميم جدول المواصفات للاختبارات التحصيلية الصفية، تصميم فقرات الاختبار المقالية، تصميم فقرات الاختبار الموضوعية ومنها: التكملة ومطابقة العناصر والصح - الخطأ والاختيار من متعدد. كما تناول المساق تطبيق الاختبار التحصيلي ومرحلة التصحيح ومعاييره، تفسير نتائج الاختبارات. وابدى المساق اهتماما ايضا الي المواضيع التالية: مفهوم تقنين الفقرات الاختيارية ويشمل الثبات وكيفية حسابه، الصدق وكيفية حسابه، معامل سهولة وصعوبة الاختبار، معامل تميز الاختبار، وتقييم المهارات العملية والمشاريع والواجبات والمناقشة في الصف.

التقنيات في التعليم (EDU253)

يقدم هذا المساق للطالب المعارف والمهارات اللازمة لاستخدام تكنولوجيا التعليم في عمليات التعلم وتشمل مفهوم التكنولوجيا والتطور التاريخي للمفهوم ، أنواع التكنولوجيا المستخدمة في التعليم وخصائصها وكيفية استخدامها ، خصائص البيئات التعليمية القائمة علي التكنولوجيا ، استراتيجيات دمج التكنولوجيا في التعليم ، تقويم فاعلية التكنولوجيا المدمجة في التعليم ، الحماية وامن المعلومات واخلاقيات استخدام التكنولوجيا، تعريف المنظومة والمدخل النظمي ، التخطيط للدروس باستخدام نموذج أشور ، تصميم المشروعات التعليمية التقنية. اما التطبيقات العملية للمساق فتشمل استخدام برمجيات الوسائط المتعددة برامج المحاكاة والبرامج القائمة على الحقيقة الافتراضية، تكامل التكنولوجيا في المنهج - التطبيق العملي بتصميم أدوات لتدريس موضوع في التخصص، تصميم أدوات لتدريس موضوع في التخصص وأدوات التواصل الإلكتروني. كما يركز المساق علي دور التقنية في النمو المهني للمعلم، تكنولوجيا التعليم واستخدامها في تقييم التعلم، ملف الإنجاز الالكتروني، التقنيات التربوية الحديثة وتطبيقاتها.

طرائق تدريس اللغة العربية (TAL352)

يتناول المساق: المفاهيم المتعلقة بعملية التدريس: استراتيجيات التدريس، طريقة التدريس، أسلوب التدريس، التعلم، التعليم، مفهوم اللغة، نشأة اللغة، وظائف اللغة، المبادئ الأساسية لمنهج اللغة العربية وأهداف تعليمها. كما يقدم المساق المهارات اللغوية (الاستماع، المحادثة، القراءة، الكتابة) وكيفية تدريسها وتقويمها. ويتناول أيضاً النحو وطرق تدريسه وتقويمه، والأدب والمحفوظات والنصوص، استراتيجيات وأدوات تقويم المهارات اللغوية.

طرائق تدريس التربية الإسلامية (TAL351)

يتناول المساق مفاهيم متعلقة بعملية التدريس ومنها استراتيجية التدريس، طريقة التدريس، أسلوب التدريس، التعلم، التعليم. كما يتناول المساق مفهوم التربية الاسلامية ومصادرها وأهميتها وخصائصها، أسس التربية الإسلامية، الأهداف السلوكية وتطبيقاتها في تدريس التربية الإسلامية، التخطيط الفصلي واليومي لتدريس التربية الاسلامية، تحليل محتوى دروس وكتب التربية الإسلامية. ويتناول المساق ايضا طرائق تدريس وتقويم فروع التربية الإسلامية وتشمل التلاوة، التفسير، الحفظ، الحديث الشريف، العقيدة، الفقه، السيرة النبوية، والتهذيب، تدريس المفاهيم بالتربية الإسلامية واستراتيجيات التقويم وأدواته في تدريس التربية الإسلامية.

الإدارة المدرسية والصفية (EDU351)

يتناول هذا المساق مفاهيم الإدارة التربوية والمدرسية والصفية وعملياتها، أهميتها ودورها في تحقيق أهداف المؤسسة التعليمية، كما يتناول الفرق بين الإدارة التربوية، الإدارة التعليمية، الإدارة المدرسية، والإدارة الصفية، ويتناول عمليات الإدارة المدرسية التخطيط - التنظيم - الاتصال، الاتجاهات السائدة في الإدارة التربوية، مهام الإدارة المدرسية وأنماطها والعوامل المؤثرة فيها، والتحديات التي تواجهها ومن ضمنها المسؤوليات الإدارية والفنية والمهنية لمدير المدرسة، كما يتناول المساق استراتيجيات الإدارة الصفية الناجحة مفهومها ودور المعلم فيها، عمليات الاتصال والتواصل وأهميتها في الادارة الصفية، العلاقة ما بين الادارة المدرسية والمجتمع المحلي، مجالس الآباء والمعلمين، النشاطات المدرسية: مفهومها تطورها أهميتها وأهدافها.

تربية عملية 1 (TAL451)

مساق تربية عملية1 هو: المرحلة الأولى من البرنامج العملي لبرامج إعداد المعلمين ويتضمن: التدريس المصغر، المشاهدة، ملف الإنجاز، مشاهدة تمهيدية للمدرسة ومرافقها، وفيه يطور الطالب المعلم المهارات التدريسية الأساسية لمزاولة مهنة التدريس مثل التهيئة الحافزة والشرح وطرح الأسئلة، والتفاعل الصفي والإدارة الصفية وتكنولوجيا التعليم وإثارة الدافعية والغلق. كذلك يوفر المساق للطالب المعلم فرصا لمشاهدات ميدانية لمواقف صعبة وعملية التعلم والتعليم والأنشطة الصفية واللاصفية في بيئة المدرسة والصف الدراسي. وفي نهاية المساق يقوم الطالب بتطبيق درس متكامل في مجال تخصصه ومن ثم يتم تقييم ملف الإنجاز.

تربية عملية 2 (TAL452)

إن التربية العملية (2) تتيح للطالب المعلم فرصته لمزاولة مهنة التدريس تحت الإشراف الأكاديمي والإشراف التربوي وتطوير كفاياته العلمية والتربوية نحو الأفضل، وفق عناصر مساق التربية العملية الآتية: (الإعداد والتهيئة، المشاهدة، تحليل مواقف تعليمية معدة من قبل، تحليل مناهج مادة التخصص، التدريس الجزئي، التدريس الكلي، ملف الإنجاز)، وذلك خلال فترة التطبيق الميداني في المدرسة.

مهنة التعليم وأدوار المعلم (EDU451)

يتناول هذا المساق المنظومة التعليمية وعناصرها ومهنة التعليم وأهميتها ومعاييرها، ومدرسة المستقبل والأدوار المتجددة للمعلم فيها، ويتناول كذلك عملية الاتصال والتواصل في الموقف التعليمي وصياغة الأسئلة الصفية، وتعليم مهارات التفكير للطلبة، وأخلاقيات مهنة التعليم والعلاقات الإنسانية، والإدارة الصفية الناجحة والتكوين المهني للمعلم، وإعداد المعلم وأهم التحديات التي تواجهها مهنة التعليم.

التصميم التعليمي وتطبيقاته (EDU452)

يتناول المساق المفاهيم المتعلقة بتكنولوجيا التعليم والتصميم التعليمي. كما يتناول العلاقة بين نظريات التعلم والتصميم التعليمي ونماذج التصميم التعليمي، كما يتناول المساق مراحل تصميم المنظومة التعليمية وتدريب الطلبة على تطبيق هذه المراحل حسب المواقف المختارة.

Bachelor of Education in Teaching English as a Foreign Language

Overview:

The Program of Teaching English as a Foreign Language (TEFL) is a four-year accredited Bachelor Degree of Education in Teaching English as a Foreign Language.

Program Learning Outcomes:

On successful completion of the TEFL program, graduates are expected to:

1. Identify learning theories and various methods of teaching English as a foreign language.
2. Show a broad, coherent knowledge of the fundamental concepts, principles and techniques of language learning.
3. Demonstrate knowledge of integrating technology and methods of teaching English including emerging trends in the field of educational technology.
4. Demonstrate effective communication skills using English orally and in writing to present ideas and engage in meaningful interaction.
5. Employ high-level thinking skills in lesson planning, lesson execution and evaluation of the teaching and learning processes.
6. Implement research skills in data gathering, data analysis and presentation of results to identify and solve field related problems.
7. Show independent decision making on handling learning difficulties and classroom management problems and come up with appropriate solutions.
8. Interact with peer colleagues, qualified cooperative teachers and school administration in different situations.
9. Apply ethical standards to the teaching/learning practice.
10. Use positive criticism and feedback on their learning/teaching performance to inform their approaches to professional development.

Admission Requirements:

To be admitted to the TEFL Program, each applicant should have a certified UAE secondary school certificate, or its equivalent, with a minimum average grade of 60 percent. In addition, the applicant should hold an English proficiency certificate with a minimum score of 500 for TOEFL or 5.0 for IELTS. Admission is also dependent upon the successful outcome of an interview during which the applicant's academic, physical, personal capabilities for joining the teaching profession are assessed.

Graduation Requirements:

- The completion of 129 credit hours listed in the study plan.
- Cumulative GPA of at least 2.0.

Career Opportunities:

In today's globalised world there is an increasing demand for English language teachers across the UAE and the region. The AU Bachelor Degree in TEFL provides students with a thorough grounding in many areas of teaching English as a foreign language and prepares them for a career in a variety of educational settings. Graduates can have a good opportunity to join the workforce in different fields as they acquire communication skills and develop language competence through their study at this program.

TEFL Program

The Program of Teaching English as a Foreign Language (TEFL) is a four-year accredited Bachelor Degree of Education in Teaching English as a Foreign Language. It is offered by the College of Humanities and Sciencies.

Mission

The mission of the TEFL program is to provide the local society and the various educational institutions with qualified English language teachers and to promote relations with other English departments and language centers in the UAE and the region to exchange ideas, information, experience and research findings.

Goals

The goal of the TEFL Program is to provide the society and the field of Education with graduates who have the ability to:

- Teach in a multi-national society and embrace cultural diversity
- Use English as a foreign language in diverse contexts
- Promote a culture of learning among students at schools
- Implement interactive teaching methodologies in the classroom
- Use technology as an aid to language teaching and learning
- Apply decision-making skills to various teaching situations
- Interact with students, parents, colleagues and school principal and administrators
- Identify and solve problems in the workplace
- Demonstrate a life-long learning attitude

Program Outcomes

- On successful completion of the TEFL program, graduates are expected to:

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Graduation Requirements

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- Cumulative GPA of at least 2.0.

Degree Requirements

The Bachelor of Education in Teaching English as a Foreign Language Degree requires students to successfully complete 129 credit hours: University Required Courses (30 credit hours), College Required Courses (15 credit hours), and Major Required Courses (84 credit hours), as follows:

Type of Courses	Credit hours
1. University General Education Requirements	
(a) University Required Courses	15
(b) University Elective Courses	9
(c) General Education Courses	6
2. College Requirements	
(a) College Required Courses	12

(c) College Elective Courses	3
3. Major Requirements	
(a) Major Required Courses	72
(b) Major Elective Courses	12
Total Credit Hours	129

General Education Courses (6 Credit hours)

Number	Course Title	Credit hrs.	Prerequisites
EDU253	Technology in Education	3	COM111
TEL153	Study Skills	3	None

College Required Courses (12 Credit hours)

Number	Course Title	Credit hrs.	Prerequisites
EDU154	Developmental Psychology	3	None
EDU151	Educational Foundation	3	None
EDU351	School/Class Management	3	None
EDU252	Educational Psychology	3	EDU154

College Elective Courses (3 Credit hours)

Number	Course Title	Credit hrs.	Prerequisites
EDU451	Teaching Profession and Teacher Role	3	None

Major Required Courses (72 Credit hours)

Course Number	Course Title	Credit hrs.	Prerequisites
TEL252	2nd Language Acquisition	3	None
TEL251	Methodology I	3	None
ENG251	Grammar of English	3	None
ENG251	Communicative English Grammar	3	
TEL351	Methodology II	3	TEL251
TEL352	Applied Linguistics	3	TEL252
TEL353	Pedagogical Grammar	3	TEL351

ENG352	Children's Literature (TEFL)	3	None
TEL354	Course Design for Language Teachers	3	None
ENG353	Phonetics and Phonology	3	ENG254
TEL354	Discourse Analysis for Language Teacher	3	None
TEL452	Methodology III	3	TEL351
TEL453	Testing in EFL	3	EDU352
TEL454	Practical Training I	9	560302
ENG152	English Writing Skills	3	None
ENG253	Advanced English Writing Skills	3	610101
ENG254	Introduction to Linguistics	3	None
ENG252	Introduction to English Literary Genres	3	None
ENG354	Survey of 20th –Century English Literature	3	ENG252
TEL255	Language Learning and Teaching Strategies	3	TEL251
ENG255	Advanced English Listening and Speaking	3	None
TEL454	Practical Training II		TEL452

Major Elective Courses (12 Credit hours)

Number	Course Title	Credit hrs.	Prerequisites
TEL253	Integrating Technology in EFL Classroom	3	COM111
TEL254	Islamic Heritage	3	None
ENG452	Readings in L2 Culture	3	None
ENG355	Short Stories	3	ENG252
ENG256	Advanced English Reading Skills	3	None
ENG451	Contrastive and Translation	3	None

Course Descriptions

TEL153 Study Skills

This course covers the skills that relate directly to the needs of most university students such as: improving reading efficiency, taking notes, managing their studies, doing basic research, organizing and preparing assignments, and learning through discussions.

TEL252 Second Language Acquisition (SLA)

The course reviews the different theories of second language acquisition and their application to classroom practices. It also examines some of the major factors that influence the acquisition of English as a second language. It further examines the strategies employed by the second language learners in the process of learning. The learners' errors and the second language students' specific learning situations are the main topics for detailed discussions in this course of study.

TEL251 Methodology 1

The course touches upon the underlying principles of current language learning theories and shows their influence on classroom practices. At the same time, the course provides students with a historical and theoretical background about the major approaches and methods of teaching foreign languages and their classroom applications. Attention is directed at the communicative and eclectic approaches. Students are exposed to practical applications of major teaching methods through microteaching. Towards the end of the course, students are introduced to lesson planning.

TEL253 Integrating Technology in EFL Classroom

This course develops the students' skills in using modern technologies in learning and teaching English as a foreign language. Students are expected to use such tools to access materials, do projects, and create a good language learning context to meet their potential students' individual language needs.

TEL254 Islamic Heritage

This course aims at developing the students' understanding of the *Islamic civilization*. It also familiarizes students with the Islamic concepts and values and encourages them to apply these educational concepts to their life. The course focuses on the Islamic ethics and the life and works of some prominent Muslim scholars who have left a great impact not only on the Islamic civilization but also on the global civilizations, as a whole.

ENG255 Advanced English Listening and Speaking

Advanced Speaking and Listening is a course designed for upper-intermediate to advanced students. The course aims at developing students' fluency and accuracy in oral communication. Students learn how to take notes as well as prepare and organize good presentations. Students are expected to master various oral skills such as expressing positive and/or negative views, debating, negotiating, etc. Students are also exposed to complex listening materials. This includes

longer conversations and academic lectures in which students practice academic note-taking, outlining, and summarizing ideas while listening.

ENG452 Readings in L2 Culture

Readings in L2 Culture helps L2 learners to widen their horizons of thinking and sharpen their views of the world through the study of some aspects of English culture and the culture of some other countries. The course is an integration of advanced reading skills, culture, and methodology. Through target reading passages, students are acquainted with various aspects of L2 culture and language and, hence, students are expected to develop an awareness of and sensitivity towards the values and traditions of other people across the globe.

ENG355 Short Stories

This course builds on its prerequisite “Introduction to English Literary Genres” which introduces students to short story as one such genre. It provides further understanding of the elements of short story and the characteristics, which distinguish it from long fiction. As it deals exclusively with this particular genre, the course allows students the opportunity to read a good number of English short stories that vary in complexity and techniques. Discussion will focus on the analysis of the elements of short fiction, language, and cultural issues.

ENG251 Grammar of English

This course is designed to help students improve their linguistic accuracy and extend their range of expressions. It focuses on the grammatical problems encountered by students and encourages them to find their own answers. It also focuses on various features of English grammar with challenging exercises that engender creative, independent use of target structures.

TEL351 Methodology II

This course is a continuation of Methodology I. It gives students first hand experience of lesson planning with an emphasis on the nature of presentation, practice, and interactive activities. The primary objective of this course is to focus on both the theoretical and the practical aspects of teaching the four basic language skills (listening, speaking, reading, and writing) in addition to other aspects of teaching English as a foreign language. The course focuses on classroom-related issues such as error correction, asking questions in the classroom, etc.

TEL352 Applied Linguistics

This course introduces students to the field of applied linguistics. It familiarizes students with applied linguistic investigation of some issues in the areas of language teaching and learning. It further familiarizes students with some key terms and concepts in these areas.

TEL353 Pedagogical Grammar

This course aims at developing students' understanding of the role of English grammar in language development. It focuses on acquainting students with various techniques, methods, and approaches to teaching grammar. The course also reviews some basic grammar concepts that are likely to be taught in schools. It further helps students develop comprehensive lesson plans.

ENG352 Children's Literature

This course deals with the nature of children's literature and the specific ways of making children's narratives and poems interesting and appealing. Students are exposed to many examples of children's literature such as poems, folktales, fantasies, realistic stories and biographies. The literary samples chosen for this course reflect the type of literature taught in Grades 1 - 9. The literary samples help students understand Western society and its cultural, moral, religious and aesthetic values as they are reflected in stories, poems, fairy tales, etc.

TEL354 Discourse Analysis for Language Teachers

In this course, students are introduced to the field of discourse analysis and its relevance to language teaching. The course covers interesting issues such as the nature and scope of discourse analysis, spoken language, written language, differences between speech and grammar, cohesion, and coherence. The course gives special attention to the implications of discourse analysis in teaching English as a foreign **language.**

TEL255 Language Learning and Teaching Strategies

This course aims at giving students the opportunity to learn, practice, and apply different learning and teaching strategies. The strategies comprise direct strategies (memory, cognitive, compensation strategies) and indirect strategies (metacognitive, affective, and social strategies). The students also learn how to apply these strategies to learning and teaching of the four language skills, and how further enhance their learning and teaching experiences by considering learner differences.

ENG353 Phonetics and Phonology

This course introduces students to the analysis of English pronunciation and the scientific study of speech sounds. Theoretical principles underlying the articulation of speech sounds and their organization into syllables and words are combined with practical exercises designed to improve students' knowledge.

TEL354 Course Design for Language Teachers

In this course, students are acquainted with the analysis of EFL textbooks in order to be able to identify their strengths, pitfalls, relevance, appropriateness, degree of complexity, etc. with a particular emphasis on school textbooks. Students are also familiarized with a variety of textbook analysis systems and checklists used in material evaluation.

TEL452 Methodology III

The course gives students a good background on how children learn language and how to support children in their endeavor to learn a second language. It presents explicit instructions in selecting, adapting, creating, and evaluating classroom activities.

TEL453 Testing in EFL

The course examines different types of English tests including vocabulary, grammar, pronunciation, reading, writing, speaking, and listening. It also considers such related issues as concepts of validity and reliability, principles of test administration, etc.

TEL454 Practical Training I

This course takes the form of an extensive practicum in schools. The focus in this course is, primarily, on learning from the practical experience of preparing and teaching lessons. The course also introduces trainees to core skills involved in teaching English as a foreign language. Students are expected to observe classes, teach lessons, and participate in professional activities under the supervision of university supervisors and cooperating teachers.

ENG152 English Writing Skills

The course is designed to develop students' proficiency in writing academic essays using rhetorical modes such as analysis, classification, comparison, and contrast. The course focuses on the organization and logical development of ideas as well as on language accuracy. A special emphasis is put on cohesion and coherence.

ENG256 Advanced English Reading Skills

In this course, students examine extensive readings in a variety of styles. The vocabulary in the readings includes words students typically encounter during their university study. Students are required to read articles and extract information from various forms of charts, graphs, and illustrations.

ENG253 Advanced English Writing Skills

This course builds upon the skills acquired in the English Writing Skills course to further develop students' critical thinking and academic writing competencies. The course devotes part of the semester to the skills required to write summaries, critiques, and syntheses. It also focuses on writing a research paper with special attention to paraphrasing, using quotation, referencing, etc.

ENG254 Introduction to Linguistics

This course introduces students to the basic concepts and issues in linguistics. It also focuses on the nature of human language and its main features. The course familiarizes students with the procedures of analyzing a language at various phonetic and phonological levels taking English as an example.

ENG252 Introduction to English Literary Genres

This course introduces students to the study of English literary genres, fiction, drama, and poetry, giving them insights into the nature of literary discourse. It develops the language skills and critical thinking necessary for analyzing and appreciating English literature and culture.

ENG451 Contrastive and Translation

This course is designed to equip students with the basic skills of translation with special focus on translating from Arabic into English. It covers various registers including the social, scientific, etc.

ENG354 Survey of 20th English Literature

This course deals with aspects of British and American literature that reflect the events that have shaped twentieth-century literature and consciousness. It focuses on prominent writers who dealt with the concerns of the periods: World War I, imagism, industrialization, modernism, and the absurd.

TEL454 Practical Training II

This course is a continuation of Methodology I. It gives students first hand experience of lesson planning with an emphasis on the nature of presentation, practice, and interactive activities. The primary objective of this course is to focus on both the theoretical and the practical aspects of teaching the four basic language skills (listening, speaking, reading, and writing) in addition to other aspects of teaching English as a foreign language. The course focuses on classroom-related issues such as error correction, asking questions in the classroom, etc.

Department of Foreign Languages

Introduction:

It is a truth universally acknowledged that foreign language learning is an integral part of university education. Universities, therefore, cannot do without foreign language teaching in order to meet the needs of the global job market. Some languages like English and French have become international tools of communication in the world of academia. Accordingly, the AU is no different from other well-established universities to adopt the teaching of foreign languages in all its programs.

The College of Humanities and Sciences has made available an appropriate academic environment with global standards for that purpose. It employs highly qualified university faculty of different nationalities and different language specializations in order to comply with the requirements of each program and to provide the standard needed linguistic knowledge and skills.

The Department of Foreign Languages seeks to establish excellent standards of teaching and assessing student performance in order to come up with competitive graduates with parallel distinctive linguistic skills and knowledge.

After completing their program's degrees, student are expected to write assignments, long essays, reports and projects. They may sit and easily pass written and oral examinations in which timed essays or talks are mostly in a foreign language (usually English) the means of communication. Excellent comprehension levels and basic writing skills are the needed tools that oftentimes students will draw upon.

A major target in foreign language teaching and learning is to ensure that students achieve as high a level of English Language development as possible. Even students who find the language difficult are able to accomplish a good rock-hard grounding in English.

Mission: The mission of the Department of Foreign Languages (DFL) is to provide professional services to the programs offered by AU colleges in order to enable learners to communicate efficiently in English and French, through the most appropriate academic environment and highly qualified and devoted staff who help students attain the highest possible level of language proficiency.

Vision: The Department of Foreign Languages (DFL) strives to be a contributing provider of academic excellence. It aspires to see employers in the job market uniquely select and recruit AU graduates mainly for their excellent linguistic skills and knowledge.

Goals and Objectives

- Furnishing excellent English Language instruction that enhances students' proficiency and enable them to attend university courses offered in English.
- Acquainting students with terms, practices and theoretical foundations of the disciplines.
- Evolving students with the reading, analytical, and critical skills of the disciplines.
- Enabling students to communicate correctly and effectively within and about the disciplines.

- Preparing students to sit for international tests of English proficiency such as IELTS or TOEFL and obtain the scores prescribed by Ajman University and the Ministry of Higher Education.
- Improving the English language and study skills of students.
- Enriching Ajman University and the community at large by enhancing cross-cultural communication and interaction.
- Promoting Ajman University's reputation for excellence and foster its image as an international and diverse learning community.

Department of Mathematics and Sciences

The Department of Mathematics and Sciences shoulders the responsibility of teaching all courses of Mathematics, Statistics and Applied Sciences at different colleges of the university. In addition, the Department is charge of teaching all courses of Math and Science of the Bachelor of Education in Teacher Training Program in Mathematics and Science. This Program is accredited by the Ministry of Education.

Department Mission

To achieve excellence in the education and to fulfill the vision of the department, the mission of the department is-

1. To prepare our students for their successful career based on strong moral and ethical foundation.
2. To support studdents of different programs by making them understand the basic concepts of Mathematics and Science to develop their intellectual perspectives of the world.
3. To create a healthy workplace environment to improve productivity.

Department Vision

1. To enable students to develop their own abilities, talents and discover their own aptitiudes to achieve their full potential.
2. To provide the students with strong foundation through basic courses and enhancec their knowledge in areas of technical field, personality development and competitive abilities.

Objectives

1. Promote research and foster scientific temper.
2. Make science more apporachable and practical.
3. Support other sciencentific outreach programs and different organizations.
4. Develop and redesign curriculum to present science not as isolated entity but as an integral part of engineering, technology and medical disciplines.

Department of Psychology

Introduction

The Department of Psychology is one of the new departments in the College of Humanities and Sciences at Ajman University, which has been prepared according to the terms of the book of standards for the licensing of higher education institutions and the accreditation of academic programs issued by the Commission for Academic Accreditation at the Ministry of Education in the United Arab Emirates in 2011.

The Bachelor of Arts in Psychology program consisted of 126 credit hours, which the student must complete in order to pass the program successfully. The number of courses in the program to be studied is 41 courses, three credit hours each. Six (6) credit hours are designated for practical training. The student must complete all these credit hours in order to pass the program successfully. The courses of the program to be studied (41 courses) are distributed according to the following:

28 compulsory courses equivalent to 87 credit hours.

13 elective courses equivalent to 39 credit hours.

Program Mission

Qualifying and developing specialized cadres in the field of psychological services, in order to provide them with professional, scientific and research skills in accordance with the requirements of market needs.

Program Goals

- Providing students with knowledge and theoretical trends in the field of psychology and its applications.
- Training students to apply scientific thinking in the interpretation of various psychological phenomena.
- Training students to provide basic psychological services under supervision.
- Preparing specialists in the field of psychology who are capable of applying ethical standards in their work.
- Providing students with the necessary skills to analyze psychological information and statistical data, as well as the ability to write reports.
- Training students to apply creative and critical thinking, as well as scientific research skills.
- Providing students with the necessary skills to communicate effectively with individuals, groups and different situations.
- Providing students with knowledge and current and historical theoretical trends in psychology and its applications.
- Training students to apply scientific thinking in the interpretation of various psychological phenomena.
- Preparing specialists in the field of psychology who are able to assume social responsibilities in their work.

Psychology Department Outcomes

In accordance with the Qualifications Framework in the United Arab Emirates (QFEmirates), after completing this program.

In the Knowledge's field:

The graduating student should be capable of:

(O1) Illustrating the various concepts and principles in the field of psychology and related fields.

(O2) Linking the information gained in interpreting psychological and behavioral phenomena.

(O3) Identifying different thinking elements and strategies.

(O4) Distinguishing between cases of disorder and various disease conditions.

(O5) Explaining the various theories in the field of psychology and related fields.

In the field of Skills:

The graduating student should be capable of:

(O6) Employing analytical and practical skills in the preparation and design of psychological tests and intervention programs.

(O7) Applying various tests and psychological programs in the fields of measurement, guidance and treatment.

(O8) Using theoretical and practical knowledge in understanding, analyzing, diagnosing and treating some psychological problems in both the normal and the troubled individuals.

In the field of Efficiencies:

The graduating student should be capable of:

Independence and Responsibility:

(O 9) Applying ethical and professional standards and controls in the field of work.

(O10) Defining the legal aspects that are consistent with the principles of human rights in psychology.

B. Role in context:

(O11) Using information gained in addressing certain situations and problems of life.

(O12) Performing a project or research, using statistical tests, methods and research writing skills.

Self-development:

(O13) Creating different measuring tools and intervention programs that are appropriate to the different situations faced in professional work.

(O 14) Explaining the problems of the cases he is studying and the disruptions encountered.

(O15) Carrying the responsibility for working in social, educational and therapeutic institutions.

Career Opportunities of Psychology Program Graduates

Program graduates have a great opportunity to work in many mental health and psychological counseling institutions. Examples of graduates' fields of work include, but not limited to, the followings:

1. Counseling and Psychotherapy Centers.
2. Community service and rehabilitation centers.
3. Psychological Research Centers.
4. Family care and empowerment associations.
5. Centers for the care and rehabilitation of individuals with special needs.
6. Educational institutions: kindergartens, schools and universities.
7. Public and private establishments providing therapeutic and counseling services.
8. Associations, care homes and shelters for the elderly and orphans.
9. Correctional institutions such as prisons and the houses of juveniles.
10. Public relations in institutions and companies.

برنامج علم النفس

أولاً : أهمية البرنامج :

يعتبر علم النفس من أهم المجالات الإنسانية والعلمية المرتبطة بشكل وثيق بالحياة والمجتمع. ويعد من التخصصات الأكثر الحاحا وطلبا في العصر الراهن. لما يعانية الأفراد في المجتمع من مشكلات واضطرابات نتيجة الطفرة الهائلة في التقدم العلمي والمعرفي، وتطور وسائل التواصل الاجتماعي التي كان لها أثرا كبيرا على التاوصل الإنساني المباشر.

فالمشتغلون في مجال علم النفس يمكنهم أن يساهموا مساهمة فعالة في فهم وتحليل المشكلات والاضطربات النفسية فهما علميا لا وتقديم الحلول المناسبة لها.

ومن ثم، فإن وجود هذا البرنامج يُعد ضرورة كبيرة كاستجابة للاحتياجات المجتمعية، والمساهمة في عملية التنمية المستدامة، والعمل على خلق المواطن الذي يتمتع بالقدرة والكفاءة النفسية من خلال دعمه بمهارات متنوعة تلك التي تسهم بشكل كبير على تطوير أدائه واكتسابه القدرة على التعامل مع المشكلات النفسية والمجتمعة بشكل إيجابي لا يؤثر على دوره الاجتماعي، فضلا عن أن برنامج علم النفس له دورا أساسياً في العناية بحاجات المجتمع الثقافية التي تشكل أحد المجالات التعليمية والبحثية للبرنامج، بما يؤدي إلى إبراز التراث والثقافة والهوية الإماراتية الأصيلة.

ثانيا :رسالة البرنامج:

تأهيل وتطوير الكوادر المتخصصة في مجال الخدمات النفسية والعمل على إكسابهم المهارات المهنية والعلمية والبحثية بما يتوافق مع متطلبات ميادين سوق العمل.

ثالثا: أهداف البرنامج:

1. تزويد المتعلمين بالمعرفة والاتجاهات النظرية في مجال علم النفس وتطبيقاته.
2. تدريب الطلبة على تطبيق التفكير العلمي في تفسير الظواهر النفسية المختلفة.
3. تدريب الطلبة لتقديم الخدمات النفسية الأساسية تحت الإشراف.
4. إعداد المختصين في مجال علم النفس القادرين على تطبيق المعايير الأخلاقية والمسؤوليات الاجتماعية في عملهم.
5. تزويد الطلبة بالمهارات اللازمة لتحليل المعلومات النفسية والبيانات الإحصائية بكفاءة والقدرة على كتابة التقارير.
6. تدريب الطلبة على تطبيق التفكير الإبداعي والنقدي، وكذلك مهارات البحث العلمي.
7. تزويد الطلبة بالمهارات اللازمة للتواصل الفعال مع الأفراد والمجموعات والحالات المختلفة.
8. تزويد المتعلمين بالمعرفة والاتجاهات النظرية الحالية والتاريخية في مجال علم النفس وتطبيقاته.
9. تدريب الطلبة على تطبيق التفكير العلمي في تفسير الظواهر النفسية المختلفة.
10. تدريب الطلبة لتقديم الخدمات النفسية الأساسية تحت الإشراف.
11. إعداد المختصين في مجال علم النفس القادرين على تحمل المسؤوليات الاجتماعية في عملهم.
12. تزويد الطلبة بالمهارات اللازمة لتحليل المعلومات النفسية والبيانات الإحصائية بكفاءة.
13. تدريب الطلبة على تطبيق التفكير الإبداعي والنقدي، وكذلك مهارات البحث العلمي.
14. تزويد الطلبة بالمهارات اللازمة للتواصل الفعال مع الأفراد والمجموعات والحالات المختلفة.

رابعا: مخرجات برنامج علم النفس وفقًا لإطار المؤهلات في دولة الإمارات العربية المتحدة (Emirates QF)

بعد استكمال هذا البرنامج يكون الطالب الخريج قادرا على أن:

المعرفة:

(م1) يوضح المفاهيم والمبادئ المختلفة في مجال علم النفس والمجالات ذات الصلة.

(م2) يربط بين المعلومات التي اكتسبها عند تفسيره للظواهر النفسية والسلوكية.

(م3) يحدد عناصر واستراتيجيات التفكير المختلفة.

(م4) يميز بين حالات الاضطراب والحالات المرضية المختلفة

(م5) يشرح النظريات المختلفة في مجال علم النفس والمجالات ذات الصلة

المهارة:

(م6) يوظف المهارات التحليلية والعملية في إعداد وتصميم الاختبارات النفسية وبرامج التدخل الإرشادي والعلاجي.

(م7) يطبق الاختبارات والبرامج النفسية المختلفة في مجالات القياس والإرشاد والعلاج.

(م8) يستخدم المعرفة النظرية والعملية في فهم وتحليل وتشخيص وعلاج بعض المشكلات النفسية لدى كل من الأسوياء والمضطربين.

أوجه الكفاءة:

أ- <u>الاستقلالية والمسؤولية:</u>

(م9) يطبق المعايير والضوابط الأخلاقية والمهنية في مجال العمل.

(م10) يحدد الجوانب القانونية التي تتفق ومبادئ حقوق الإنسان في مجال علم النفس

ب- <u>الدور في السياق:</u>

(م11) يستخدم المعلومات المكتسبة في معالجة بعض المواقف والمشكلات الحياتية.

(م12) ينجز مشروعا أو بحثا، مستخدما الاختبارات والأساليب الإحصائية ومهارات كتابة البحوث

<u>ج- التطور الذاتي:</u>

(م13) يبتكر أدوات قياس وبرامج تدخل مختلفة تتناسب مع المواقف المختلفة التي يوجهها في عمله المهني

(م14) يفسر مشكلات الحالات التي يدرسها ومآل الاضطراب لديها.

(م15) يتحمل مسؤولية العمل في المؤسسات الاجتماعية والإرشادية والعلاجية

خامساً : شروط القبول

أن يكون الطالب حاصلاً على شهادة الثانوية العامة من دولة الإمارات العربية المتحدة (قسم علمي أو أدبي) أو ما يعادلها بمعدل لا يقل عن 60% في السنة الأولى من القبول تزيد إلى 65% للدفعات التالية وفي حالة زيادة أعداد الطلبة المتقدمين سيتم التفضيل بينهم بناء على نسبة النجاح في الثانوية العامة.

سادسا : متطلبات التخرج

يشترط للحصول على درجة البكالوريوس في تخصص علم النفس أن يحصل الطالب على الحد الادنى التراكمي 2 أي بمعدل226 60% . وان يكون الحد الادنى لمدة الدراسة ثلاثة سنوات ونصف السنة . والحد الاعلى ثمانية سنوات . كما عليه ان يجتاز (126) ساعة معتمدة موزعة كالتالي :

المساقات العلميّة لطلبة برنامج علم النفس:

نوع المساق	عدد المساقات	عدد الساعات المعتمدة
مساقات الجامعة الإجبارية	5	15
مساقات الجامعة الاختيارية	3	9
متطلبات الجامعة الحرة	2	6
متطلبات القسم الإجبارية	23	72
متطلبات علم القسم الاختيارية	8	24
المجموع	41	126

سابعا :الخطة الدراسية لتخصص علم النفس

أولا:متطلبات الجامعة

1-متطلبات الجامعة الإجبارية (**5** مساقات، **15** ساعة معتمدة)

م	رقم المساق		المساق
1	1010001	Orientation	التوجيه
2	1021100	Islamic culture	الثقافة الإسلامية
3	1021400	Communication Skills in Arabic	مهارات الاتصال باللغة العربية
4	1031100	Statistics	الإحصاء
5	1041101	Computer Applications	تطبيقات في الحاسوب
6	1031201	Environmental Science	علوم بيئية

2- متطلبات الجامعة الاختيارية (**3** مساقات، **9** ساعة معتمدة)

يجب على الطالب أن يختار مساقاً واحداً من كل مجموعة من المجموعات المذكورة أدناه

مجموعة العلوم الإنسانية أو الأدبية

م	رقم المساق	المساق	
1	1151500	The Art of Written Expression	فن التعبير والكتابة
2	1121100	Principles of Architecture & Art	مبادئ العمارة والفن
3	1121200	Principles of Interior Design	مبادئ التصميم الداخلي
4	1181100	Principles of Ethics	المبادئ الأخلاقية
5	1091101	Introduction to Aesthetics	مدخل الى علم الجمال
6	1121400	Introduction to Art	مدخل الى الفن
7	1021200	French	اللغة الفرنسية

مجموعة العلوم الطبيعية، العلوم التطبيقية، الرياضيات أو تكنولوجيا المعلومات

م	رقم المساق	المساق	
1	1151100	History of Science in Islam	تأريخ العلوم عند المسلمين
2	1151200	Scientific Pioneering	الريادة العلمية
3	1151700	Educational Technology	تكنولوجيا التعليم
4	1181200	General Biology	الأحياء العامة
5	1181300	Oral Health	صحة الفم
6	711000	General Chemistry	الكيمياء العامة
7	1171201	Fundamentals of Human Nutrition	أساسيات التغذية البشرية
8	1171301	First Aid	الإسعافات الأولية
9	1031301	Research Methodology	مناهج البحث
10	1171500	Applications of Remote sensing & GIS	تطبيق الاستشعار عن بعد
11	1201100	Legal Culture	الثقافة القانونية
12	1041700	Technical Writing	الكتابة التقنية
13	1151400	Principles of mathematics	مبادئ الرياضيات
14	1131100	Internet Concepts	مفاهيم الانترنت
15	1131200	Introduction to Information System	مدخل إلى نظام المعلومات
16	1081200	Physics	الفيزياء

مجموعة العلوم الاجتماعية أو السلوكية

م	رقم المساق	المساق	
2	1151601	Emirates Society	مجتمع الإمارات
3	1141100	Economic Concepts	مفاهيم اقتصادية
4	1191200	Introduction to communication Sociology	مدخل إلي علم الاتصال الاجتماعي
5	1141200	Entrepreneurship Development	تطوير طاقات الشباب
6	1031300	Information Literacy	المعرفة المعلوماتية

3- متطلبات حرة (مساقين, **6** ساعات معتمدة)

يختار الطالب مساقين من الجامعة أو الكلية في غير تخصصه

م	رقم المساق	المساق	
		اسم المساق	Course name
1			
2			

ثانياً : متطلبات قسم علم النفس

1- المتطلبات الإجبارية

إنهاء (**72**) ساعة معتمدة إجبارية بمعدل (**24**) مساقاً تخصصياً وهي كما يلي :

متطلبات القسم الإجبارية **8** مساقات, **24** ساعة معتمدة)

م	رقم المساق	المساق		الساعات المعتمدة			المتطلب السابق
		اسم المساق	Course name	نظري	عملي	المجموع	
1	6811010	مدخل الى علم النفس	Introduction to Psychology	3	0	3	
2	6811020	علم نفس النمو: الطفولة والمراهقة	Dev. Psych.: Childhood and Adolescence	3	0	3	
3	6811030	علم النفس الاجتماعي	Social Psychology	3	0	3	6811010
4	6811040	الإحصاء في البحوث النفسية (1)	Psychological Statistics (1)	3	0	3	6811010
5	6811050	مهارات الاتصال باللغة الإنجليزية	Communication Skills in English	3	0	3	
6	6812060	علم نفس الشخصية	Psychology of Personality	3	0	3	6811010
7	6812070	علم النفس الفسيولوجي	Physiological Psychology	3	0	3	6811010
8	6812080	علم نفس التعلم	Psychology of Learning	3	0	3	6811010

9	6812090	القياس النفسي	Psychometrics	3	0	3	6811010 6811040
10	6813100	علم النفس المرضي	Abnormal Psychology	3	0	3	6811010
11	6813110	الاختبارات والمقاييس النفسية	Psychological Tests & Measures	3	0	3	6811010 6811040
12	6813120	علم النفس الصناعي التنظيمي	Industrial & Organizational Psychology	3	0	3	6811010
13	6813130	علم النفس التربوي	Educational Psychology	3	0	3	6811010
14	6813140	علم النفس التجريبي	Experiential Psychology	3	0	3	
15	6813150	مناهج البحث في علم النفس	Research Methods in Psychology	3	0	3	6811010 6811040 6812090
16	6813160	علم النفس المعرفي	Cognitive Psychology	3	0	3	6811010
17	6813170	علم نفس الأسرة	Family Psychology	3	0	3	6811010
18	6814180	التوجيه والإرشاد النفسي	Guidance & Counseling Psychology	3	0	3	6811010
19	6814190	مهارات التفكير	Thinking Skills	3	0	3	6811010
20	6814200	علم النفس الإكلينيكي	Clinical Psychology	3	0	3	6811010
21	6814210	العلاج النفسي	Psychotherapy	3	0	3	6811010
22	6814220	تدريب ميداني	Practicum	3	0	6	بعد انجاز 99 ساعة معتمدة
23	6814230	مشروع التخرج	Graduation Project	3	6	3	بعد انجاز 105 ساعة معتمدة

2- متطلبات القسم الاختيارية

إنهاء (24) ساعة معتمدة اختيارية على أن يختار الطالب (4) مساقات من كل مجموعة من المجموعتين وهي كما يلي :

متطلبات القسم الاختيارية (**8** مساقات **24** ساعة معتمدة)

م	رقم المساق	المساق		الساعات المعتمدة		
		اسم المساق	Course name	نظري	عملي	المجموع
1	6800240	صعوبات التعلم	Learning Difficulties	3	0	3
2	6800250	سيكولوجية الموهبة والتفوق	Psychology of Talent & Excellence	3	0	3
3	6800260	استخدام الحاسوب في البحوث النفسية	Computer in Psych. Research	3	0	3
4	6800270	علم النفس البيئي	Environmental Psychology	3	0	3
5	6800280	علم النفس السياسي	Political Psychology	3	0	3

6	6800290	قانون الأسرة لدولة الإمارات العربية المتحدة	Family's Law in UAE	3	0	3
7	6800300	علم نفس ذوي الاحتياجات الخاصة	Psychology of Special Needs	3	0	3
8	6800310	علم النفس العصبي	Neurological Psychology	3	0	3
9	6800320	علم نفس الإدمان	Psychology of Addiction	3	0	3
10	6800330	علم النفس الصحي	Health Psychology	3	0	3
11	6800340	تعديل السلوك	Behavior Modification	3	0	3
12	6800350	علم النفس الإيجابي	Positive Psychology	3	0	3
13	6800360	علم النفس الجنائي	Criminal Psychology	3	0	3
14	6800370	علم نفس المسنين وإرشادهم	Psychology & Counseling of Aging	3	0	3
15	6800380	علم نفس الفروق الفردية	Differential Psychology	3	0	3
16	6800390	نصوص نفسية باللغة الإنجليزية	Psychological Texts in English	3	0	3
17	6800400	الإحصاء في البحوث النفسية (2)	Statistics in Psychological Research (2)	3	0	3
18	6800410	موضوعات خاصة في علم النفس	Special Topics in Psychology	3	0	3

الخطة الاسترشادية لبرنامج بكالوريوس الآداب في علم النفس

السنة الأولى: الفصل الدراسي الأول

م	اسم المساق	النوع	رقم المساق	عدد الساعات	المتطلب السابق
1	التوجيه والإرشاد	إجباري جامعة		0	
2	إجباري جامعة (1)	إجباري جامعة		3	
3	إجباري جامعة (2)	إجباري جامعة		3	
4	مدخل إلى علم النفس	إجباري قسم	6811010	3	
5	علم نفس النمو: الطفولة والمراهقة	إجباري قسم	6811020	3	
6	متطلب جامعة اختياري (1)	اختياري جامعة		3	

السنة الأولى: الفصل الدراسي الثاني

م	اسم المساق	النوع	رقم المساق	عدد الساعات	المتطلب السابق
1	إجباري جامعة (3)	إجباري جامعة		3	
2	علم النفس الاجتماعي	إجباري قسم	6811030	3	مدخل إلى علم النفس
3	الإحصاء في البحوث النفسية (1)	إجباري قسم	6811040	3	مدخل إلى علم النفس
4	مهارات الاتصال باللغة الإنجليزية	إجباري قسم	6811050	3	
5	اختياري جامعة (2)	اختياري جامعة		3	

السنة الثانية: الفصل الدراسي الأول

م	اسم المساق	النوع	رقم المساق	عدد الساعات	المتطلب السابق
1	متطلب إجباري جامعة (4)	إجباري جامعة		3	

2	علم نفس الشخصية	إجباري قسم	6812060	3	مدخل إلى علم النفس
3	اختياري جامعة (3)	اختياري جامعة		3	
4	علم النفس الفسيولوجي	إجباري قسم	6812070	3	مدخل إلى علم النفس
5	علم نفس التعلم	إجباري قسم	6812080	3	مدخل إلى علم النفس

السنة الثانية: الفصل الثاني

م	اسم المساق	النوع	رقم المساق	عدد الساعات	المتطلب السابق
1	إجباري جامعة (5)	إجباري جامعة		3	
2	اختياري تخصص (1)	اختياري قسم		3	مدخل إلى علم النفس
3	اختياري تخصص (2)	اختياري قسم		3	مدخل إلى علم النفس
4	القياس النفسي	إجباري قسم	6812090	3	مدخل إلى علم النفس الإحصاء في البحوث النفسية (1)
5	مساق حر (1)	اختياري حر		3	
6	اختياري تخصص (3)	اختياري قسم			مدخل إلى علم النفس

السنة الثالثة: الفصل الأول

م	اسم المساق	النوع	رقم المساق	عدد الساعات	المتطلب السابق
1	علم النفس المرضي	إجباري قسم	6813100	3	مدخل إلى علم النفس
2	الاختبارات والمقاييس النفسية	إجباري قسم	6813110	3	مدخل إلى علم النفس الإحصاء في البحوث النفسية (1)
3	علم النفس الصناعي والتنظيمي	إجباري قسم	6813120	3	مدخل إلى علم النفس
4	علم النفس التربوي	إجباري قسم	6813130	3	مدخل إلى علم النفس
5	علم النفس التجريبي	إجباري قسم	6813140	3	مدخل إلى علم النفس

السنة الثالثة: الفصل الثاني

م	اسم المساق	النوع	رقم المساق	عدد الساعات	المتطلب السابق
1	اختياري قسم (4)	اختياري قسم		3	مدخل إلى علم النفس
2	مناهج البحث في علم النفس	إجباري قسم	6813150	3	مدخل إلى علم النفس الإحصاء في البحوث النفسية (1) القياس النفسي
3	مساق حر (2)	اختياري حر		3	
4	علم النفس المعرفي	إجباري قسم	6813160	3	مدخل إلى علم النفس
5	علم نفس الأسري	إجباري قسم	6813170	3	مدخل إلى علم النفس

6	اختياري تخصص (5)	اختياري قسم		3	مدخل إلى علم النفس

السنة الرابعة: الفصل الأول

م	اسم المساق	النوع	رقم المساق	عدد الساعات	المتطلب السابق
1	التوجيه والإرشاد النفسي	إجباري قسم	6814180	3	مدخل إلى علم النفس
2	مهارات التفكير	إجباري قسم	6814190	3	مدخل إلى علم النفس
3	اختياري تخصص (6)	اختياري قسم		3	مدخل إلى علم النفس
4	اختياري تخصص (7)	اختياري قسم		3	مدخل إلى علم النفس
5	علم النفس الإكلينيكي	إجباري قسم	6814200	3	مدخل إلى علم النفس
6	اختياري تخصص (8)				مدخل إلى علم النفس

السنة الرابعة: الفصل الثاني

م	اسم المساق	النوع	رقم المساق	عدد الساعات	المتطلب السابق
1	العلاج النفسي	إجباري قسم	6814210	3	مدخل إلى علم النفس
2	التدريب الميداني	إجباري قسم	6814220	6	بعد إنجاز 99 ساعة معتمدة
3	مشروع التخرج	إجباري قسم	6814230	3	بعد إنجاز 105 ساعة معتمدة

مصفوفة ربط المخرجات التعليمية للبرنامج

مع عناصر منظومة المؤهلات في دولة الإمارات العربية المتحدة (QF Emirates)

منظومة المؤهلات QF Emirates	المعرفة					المهارة Knowledge			أوجه الكفاءة Competency						
	Knowledge					Skills			الاستقلالية والمسئولية Autonomy & Responsibility		الدور في السياق Role in Context			التطور الذاتي Self-Development	
المخرجات التعليمية للبرنامج	1	2	3	4	5	1	2	3	1	2	1	2	3	1	2
مخرج البرنامج 1	√														
مخرج البرنامج 2		√													
مخرج البرنامج 3			√												
مخرج البرنامج 4				√											
مخرج البرنامج 5					√										
مخرج البرنامج 6						√									
مخرج البرنامج 7							√								
مخرج البرنامج 8								√							
مخرج البرنامج 9									√						
مخرج البرنامج 10										√					
مخرج البرنامج 11											√				
مخرج البرنامج 12												√			

مخرج البرنامج 13													√		
مخرج البرنامج 14														√	
مخرج البرنامج 15															√

مصفوفة ربط مخرجات مساقات القسم الاجبارية بالمخرجات التعليمية للبرنامج

م	المساق	مخرج البرنامج ج 1	مخرج البرنامج ج 2	مخرج البرنامج ج 3	مخرج البرنامج ج 4	مخرج البرنامج ج 5	مخرج البرنامج ج 6	مخرج البرنامج ج 7	مخرج البرنامج ج 8	مخرج البرنامج ج 9	مخرج البرنامج ج 10	مخرج البرنامج ج 11	مخرج البرنامج ج 12	مخرج البرنامج ج 13	مخرج البرنامج ج 14	مخرج البرنامج ج 15
1	مدخل إلى علم النفس	√				√										
2	مدخل إلى علم الاجتماع	√				√						√				
3	علم النفس الاجتماعي	√				√			√			√				
4	علم نفس النمو (الطفولة والمراهقة)		√	√					√			√				√
5	مهارات الاتصال باللغة الإنجليزية	√	√			√										
6	الإحصاء في البحوث النفسية (1)						√	√					√	√		
7	علم النفس الفسيولوجي		√		√							√			√	
8	علم نفس التعلم		√	√		√						√		√		
9	الإحصاء في البحوث النفسية (2)						√	√						√		
10	علم نفس الشخصية	√			√	√						√				
11	نصوص نفسية باللغة الإنجليزية	√				√										
12	مناهج البحث في علم النفس						√	√		√			√	√		
13	القياس النفسي						√	√					√	√		

14	علم النفس التربوي		√	√		√					√				
15	تيارات علم النفس	√	√	√		√					√				
16	علم النفس المرضي				√		√	√	√			√	√		
17	الاختبارات والمقاييس النفسية					√	√		√			√			
18	تاريخ علم النفس	√	√			√									
19	التوجيه والإرشاد النفسي		√		√			√					√		
20	علم النفس الإكلينيكي				√	√	√	√	√	√			√	√	√
21	العلاج النفسي				√	√	√		√	√			√	√	√
22	تدريب ميداني				√	√	√	√	√	√	√		√	√	√
23	مشروع التخرج					√	√				√	√			

مصفوفة ربط مخرجات مساقات القسم بالمخرجات التعليمية للبرنامج

م	المساق	مخرج البرنامج ج 1	مخرج البرنامج ج 2	مخرج البرنامج ج 3	مخرج البرنامج ج 4	مخرج البرنامج ج 5	مخرج البرنامج ج 6	مخرج البرنامج ج 7	مخرج البرنامج ج 8	مخرج البرنامج ج 9	مخرج البرنامج ج 10	مخرج البرنامج ج 11	مخرج البرنامج ج 12	مخرج البرنامج ج 13	مخرج البرنامج ج 14	مخرج البرنامج ج 15
1	علم النفس المعرفي	√		√		√			√						√	
2	صعوبات التعلم	√	√		√		√			√		√		√		
3	الموهبة والتفوق					√	√			√				√		
4	مهارات التفكير			√		√	√					√				
5	استخدام الحاسوب في البحوث النفسية						√			√			√			
6	علم النفس الصناعي	√	√			√										√
7	علم النفس البيئي	√	√			√					√	√				
8	علم النفس السياسي	√	√			√			√						√	
9	قانون الأسرة لدولة الإمارات					√				√					√	√
10	علم النفس المرأة	√	√							√	√					
11	علم الأنثروبولوجيا	√					√					√				
12	علم نفس ذوي الإعاقة p		√		√						√	√		√		√
13	علم النفس العصبي	√			√	√	√	√	√					√		
14	الصحة النفسية	√			√				√						√	
15	علم نفس الإدمان				√			√		√		√		√		√

16	علم النفس الصحي	√	√					√				√			√
17	تعديل السلوك	√				√	√	√				√	√	√	√
18	علم النفس الإيجابي	√			√				√						√
19	علم النفس الجنائي		√			√			√	√					
20	علم النفس الأسري	√			√			√		√					
21	علم نفس المسنين	√			√			√	√	√					√
22	علم نفس الفروق الفردية	√		√		√		√					√		

توصيف مختصر للمساقات

مدخل إلى علم النفس

اسم المساق	مدخل إلى علم النفس		
رقم المساق	6811010		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم إجباري		

توصيف مختصر للمساق:

يتناول هدا المساق توضيح مفهوم علم النفس كعلم والتعرف على مجالاته المختلفة. كما يتناول المساق المبادئ والقوانين التي تحكم الظواهر السلوكية المختلفة. ويعرض المساق لمناهج البحث الأساسية المستخدمة في علم النفس. ثم يوضح العلاقة بين علم النفس والعلوم الأخرى. كما يتناول المساق فكرة عامة عن بعض نظريات علم النفس المفسرة للسلوك الإنساني. فضلا عن بعض المفاهيم المهمة في علم النفس مثل السلوك الإنساني. والدوافع والانفعالات. والاحساس والإدراك. والذاكرة والذكاء والاضطراب النفسي. كما يتضمن المساق مجموعة من االنماذج التطبيقية لتفسير السلوك الإنساني في ضوء هذه المفاهيم .

علم نفس النمو : الطفولة والمراهقة

اسم المساق	" علم نفس النمو : الطفولة والمراهقة"		
رقم المساق	6811020		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق			
نوع المساق	متطلب قسم إجباري		

توصيف مختصر للمساق:

يتناول المساق مفهوم النمو وأهميته وأهدافه وأهم قوانينه ومبادئ النمو والنظريات المفسرة له ودلالتها. كما يقدم إطلالة على مناهج البحث فيه. إضافة لذلك. يتناول المساق مظاهر وخصائص النمو المختلفة (الجسمي والفسيولوجي والعقلي والانفعالي والحركي واللغوي والاجتماعي والديني) في المراحل العمرية المختلفة من الطفولة إلى المراهقة. كما يناقش المساق بعض المشكلات السلوكية المصاحبة للتغيرات التي تطرأ على مظاهر النمو لدى الفرد في كافة المراحل العمرية وكيفية التعامل معها .

علم النفس الاجتماعي

اسم المساق	علم النفس الاجتماعي		
رقم المساق	6811030		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	مدخل إلى علم النفس (6811010)		
نوع المساق	إجباري		

توصيف مختصر للمساق:

يتناول المساق علاقة علم الاجتماع بعلم النفس، كما يوضح تاريخ نشأة وتطور علم النفس الاجتماعي. ويعرض المساق لمناهج البحث المستخدمة في هذا المجال، كما يوضح العلاقة بينه وبين العلوم الأخرى. ويعرض المساق لمجموعة متنوعة من مواضيع علم النفس الاجتماعي، مثل: العدوان، سلوك المعاضدة الاجتماعية، التنشئة الاجتماعية، الاتجاهات وكيفية تغييرها إضافة إلى عرض مفهوم القيادة من المنظور النفسي. كما يتضمن المساق مجموعة من الأنشطة التطبيقية العملية لتفسير السلوكيات المختلفة ضمن إطار المفاهيم والنظريات التي تضمنها المساق

الإحصاء في البحوث النفسية (أ)

اسم المساق	الإحصاء في البحوث النفسية (1)		
رقم المساق	6811040		
عدد الساعات	نظري: 2	عملي: 2	مجموع الساعات المعتمدة: 3
نوع المساق	متطلب قسم إجباري		
المتطلب السابق	المدخل إلى علم النفس 6811010		

توصيف مختصر للمساق:

يهدف هذا المساق إلى تعريف الطلبة بمبادئ الإحصاء الوصفي التي تساعد الطالب في تفسير الظاهرة المدروسة في علم النفس. ويتم فيه يتناول موضوعات عرض البيانات وتوزيعها ومقاييس النزعة المركزية، مقاييس التشتت، والتوزيع الاعتدالي والاحتمالات والارتباط والانحدار واختبار الفرضيات ومعرفة المتغيرات. وأخيراً، يهدف المساق إلى تدريب الطلبة على استخدام برامج الحاسوب في الإحصاء مثل SPSS كجزء أساسي للإلمام بالمفاهيم والأساليب الإحصائية التي يضمها المساق وبما يخدم تحليل البيانات الناتجة عن تطبيق الاختبارات النفسية المختلفة.

Communication Skills in English Language

Course Title	Communication Skills in English Language		
Course Number	6811050		
Number of Credit Hours	Theory	Practical	
	3	0	
Pre-Requisite	None		
Course Type	Compulsory Level: 3	Semester: 1	

COURSE CATALOG DESCRIPTION

The course aims to provide students with the language skills and knowledge required to communicate effectively in English in various speech events. As oral language is the basis for communication, instruction will be focused more on listening and speaking to equip learners with the necessary tools to express their thoughts, ideas, and feelings and be able to respond to others. To foster their abilities, students will also be exposed to the grammatical and structural aspects of English including reading, writing and vocabulary building.

علم نفس الشخصية

اسم المساق	علم نفس الشخصية		
رقم المساق	6812060		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم إجباري		

توصيف مختصر للمساق:

يتناول هذا المساق مفاهيم أساسية في نظريات الشخصية منها مكونات الشخصية وكيفية التعرف على أنماط الشخصية وكيف يمكن أن تقاس، وما هي العوامل المؤثرة فيها. كما يتناول استعراض لتعاريف الشخصية، مكونات الشخصية، آليات عمل الشخصية، إضافة إلى عرض بعض نظريات الشخصية المهمة وكيفية الاستفادة منها في تفسير السلوكيات المختلفة للافراد ضمن إطار نمط الشخصية الخاص بهم كما يوضح المساق الشخصية في اتزانها واختلالها. فضلا عن عرض لبعض الميكانيزمات الدفاعية والانحرافات الشخصية.

علم النفس الفسيولوجي

اسم المساق	علم النفس الفسيولوجي		
رقم المساق	6812070		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
نوع المساق	متطلب قسم إجباري		
المتطلب السابق	المدخل إلى علم النفس 6811010		
موعد طرح المساق			

توصيف مختصر للمساق:

يتناول المساق وظائف أجهزة الجسم المختلفة وعلاقتها بالسلوك وهي الجهاز العصبي بشقيه المركزي والذاتي. ويتناول الغدد الصماء ودور كل منها في الحالة الانفعالية والنفسية للكائن الحي (الإنسان)، ويقدم شرحاً وافياً لأجهزة الجسم الحسية وهي الإبصار، السمع، والحاسة الجلدية العامة، الذوق، الشم. كما يتناول فسيولوجية التعلم والنوم والذاكرة وفسيولوجية بعض الاضطرابات النفسية، كما يتيح المساق الفرصة للطالب القيام بعمل زيارات ميدانية عملية .

علم نفس التعلم

اسم المساق	علم نفس التعلم		
رقم المساق	6812080		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم إجباري		

توصيف مختصر للمساق:

يتناول المساق علاقة علم النفس بالتربية ومفهوم علم نفس التعلم وأهدافه وأهميته. كما يتناول المساق شرح مفهوم عملية التعلم وخصائصه وشروط حدوثه. ويتضمن المساق جانبين للتعلم النظري والعملي حيث يقدم المساق مجموعة من التطبيقات العملية حول مفهوم التعلم وأثر النضج والممارسة في عملية التعلم وكيفية انتقال أثر التعلم والتدريب. كما يقدم المساق بعض النماذج التطبيقة للتعلم السلوكي. كذلك إجراء بعض التجارب على عملية التعلم في مختبر علم النفس.

القياس النفسي

اسم المساق	القياس النفسي		
رقم المساق	6812090		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	مدخل إلى علم النفس، الإحصاء في البحوث النفسية (1)		
نوع المساق	متطلب قسم إجباري		

توصيف مختصر للمساق:

يتناول المساق عرض لمفاهيم القياس ومسلمات القياس ومستوياته. كما يتناول المساق إلى تحليل وبناء أدوات. ويتم في هذا الإطار معايير الاختبارات النفسية وأهمها الثبات والصدق وإعداد المعايير للاختبار، إضافة إلى كيفية تفسير الدرجة. يعرض المساق بعد ذلك لأمثلة من الاختبارات والمقاييس النفسية سواء في قياس الذكاء أو القدرات العقلية من جهة أو استخبارات الشخصية من جهة أخرى. وفي النهاية، يتم تدريب الطلبة على تطوير نموذج لاختبار نفسي بتطبيق ما درسوه.

علم النفس المرضي

اسم المساق	علم النفس المرضي		
رقم المساق	6813100		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم إجباري		

توصيف مختصر للمساق:

يتناول هذا المساق تعريف الطالب بفئات الانحراف والاضطرابات العصابية الذهانية. كما يتناول التصنيف العالمي الاخير للاضطرابات العصابية، ويعرض لكيفية تشخيص الأعراض. كما يعرض المساق لمجموعة من الأمراض النفسية العصابية والذهانية، من حيث الأسباب والأعراض لكل مرض وكيفية التعامل معه.

الاختبارات والمقاييس النفسية

اسم المساق	الاختبارات والمقاييس النفسية		
رقم المساق	6813110		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	0	6	3
المتطلب السابق	مدخل إلى علم النفس ، الإحصاء في البحوث النفسية (1)		
نوع المساق	متطلب إجباري قسم		

توصيف مختصر للمساق:

يتعرف الطالب في هذا المساق على الاختبارات النفسية والعقلية، كما يوضح للطالب كيفية تطبيق بعض الاختبارات الشخصية والاختبارات العقلية، واختبارات الميول المهنية. كذلك يتناول المساق شرح النظريات المتعلقة وتحديد الدلالات الاكلنيكية للاختبار. ويعرض المساق لأهم الاختبارات المطبقة في الميدان العملي، وطرق وأساليب جمع المعلومات المتنوعة للوصول إلى النتائج الصحيحة. إضافة لذلك، يعرض المساق للتطبيقات المتعلقة بكل اختبار، ويتيح الفرصة للطلبة للتدريب عليها.

علم النفس الصناعي والتنظيمي

اسم المساق	علم النفس الصناعي والتنظيمي		
رقم المساق	6813120		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم اختياري		

توصيف مختصر للمساق:

يستهدف المساق تعريف الطالب بعلم النفس الصناعي والتنظيمي كما يستهدف توضيح التوجيه المهني، وخاصة في المدرسة. ويتناول المساق مجال علم النفس التنظيمي من خلال طرح قضايا من قبيل الرضا المهني والأنماط الإدارية والتنظيمية وقياس الروح المعنوية والبيروقراطية. ويتضمن المساق قضايا التوافق المهني مثل: إدارة الصراع، دافعية العمل، سوء التوافق المهني، علم نفس العامل المتغيب. كما يتيح المساق الفرصة لمناقشة بعض قضايا الأمن الصناعي والتنظيمي مثل القابلية للحوادث، حوادث المرور واستهداف الحوادث في المجال الصناعي واستعراض نماذج وحالات من الواقع وكيفية التعامل معها

علم النفس التربوي

اسم المساق	علم النفس التربوي		
رقم المساق	6813130		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم إجباري		

توصيف مختصر للمساق:

يتناول المساق علاقة علم النفس بالتربية ومفهوم علم النفس التربوي وأهدافه وأهميته بالنسبة للعاملين في الحقل التربوي. كما يتناول المساق شرح مفهوم عملية التعلم وخصائصه وشروط حدوثه, إضافة إلي تقديم بعض النظريات ذات وجهات النظر المختلفة (السلوكية والمعرفية) التي تفسر عملية التعلم وكيفية الاستفادة منها في عملية التدريس. ومن هذه النظرومنها: نظرية معالجة المعلومات التي تشرح مفهوم الذاكرة بأنواعها الثلاثة (الحسية, قصيرة المدى, طويلة المدى) والعمليات المرتبطة بها مثل الانتباه والإدراك وتطبيقاتها التربوية في عملية التدريس. فضلا عن تقديم موضوعات أخرى مهمة في مجال علم النفس مثل الدافعية وعلاقتها بعملية التدريس,وكيفية الاستفادة منها في تحفيز الطلبة على عملية التعلم كما يعرض المساق للذكاء والنظريات المفسرة له, علاوة على مفهوم التفكير بأنواعه المختلفة (الناقد والابتكاري وحل المشكلات) وكيفية تنميته في مجال التدريس.

14-علم النفس التجريبي

اسم المساق	علم النفس التجريبي		
رقم المساق	6813140		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
نوع المساق	متطلب قسم إجباري		
المتطلب السابق	المدخل إلى علم النفس 6811010 وعلم نفس التعلم 6800250		

توصيف مختصر للمساق:

يتناول هذا المساق أساليب التجريب النفسى مع عرض لمحة تاريخية عن أسهامات الرواد الأوائل لعلم النفس التجريبى, إضافة إلى التعريف بأهمية المنهج التجريبى والعناصر الأساسية للتجربة النفسية, مع التأكيد على التصميمات التجريبية المختلفه, وضبط المتغيرات وقياسها, الخطأ التجريبي.

كما يؤكد على التدريب المخبري والميداني واستخدام الأجهزة المتعارف عليها في مختبرات علم النفس , من خلال التمارين و التدريب على تجارب الإبصار, والسمع, والتناسق الحركي, والتعلم, والذاكرة, وزمن الرجع, انتقال أثر التدريب, وغيرها. علاوة على على استخدام البرامج الحاسوبية في تصميم التجارب النفسية وكتابة تقارير العلمية

مناهج البحث في علم النفس

اسم المساق	مناهج البحث في علم النفس		
رقم المساق	6813150		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
نوع المساق	متطلب قسم إجباري		
المتطلب السابق	المدخل إلى علم النفس ,والإحصاء في البحوث النفسية (1) /والقياس النفسي		

توصيف مختصر للمساق:

يتناول أهداف البحث العلمي في علم النفس ومناهج البحث فيه. ويعالج المساق في هذا الإطار المنهج الوصفي والمنهج الارتباطي والمنهج التجريبي والمنهج شبه التجريبي. كما يتناول خطوات البحث العلمي في علم النفس, والأدوات المستخدمة, وكتابة التقرير العلمي. يقدم الطالب تقريرا بحثيا يطبق فيه ما درسه في مناهج البحث والقياس النفسي مع توضيحه للأساليب الإحصائية المناسبة لمعالجة البيانات وفقا للمنهج المستخدم

علم النفس المعرفي :

اسم المساق	علم النفس المعرفي		
رقم المساق	6813160		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
نوع المساق	متطلب قسم اختياري		
المتطلب السابق	مدخل إلى علم النفس 6811010		

توصيف مختصر للمساق:

يقدم المساق فكرة عامة عن علم النفس المعرفي كمجال حديث في علم النفس حيث يتناول المساق مقدمة حول علم النفس المعرفي ثم شرح آلية عمل الدماغ والعمليات المرتبطة به مثل عمليات الانتباه والإدراك وكذلك الذاكرة. وشرح نموذج تجهيز المعلومات (تشفير - تخزين - استرجاع) وأساليب تحسين الذاكرة. كما يعرض المساق اللغة ومشكلاتها فضلا عن أن المساق يعرض طرق حل المشكلات ومفهوم الإبداع ومفهوم الذكاء الاصطناعي كذلك يتناول المساق مفهوم التفكير وأنواعه ومفهوم العمليات ماوراء المعرفية . علاوة على أن المساق يتيح الفرصة لمجموعة من التطبيقات المعرفية في الحياة اليومية

علم نفس الاسرة

اسم المساق	علم نفس الأسرة		
رقم المساق	6813170		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب اختياري		

توصيف مختصر للمساق:

يتناول المساق أهمية الأسرة ومقوماتها وأساليب الاتصال السائدة فيها، ودور الأسرة في تنشئة الطفل وتكوين شخصيته. كما يتناول الصحة النفسية للأسرة، وتزويد الوالدين بالمعلومات والمعارف عن أساليب تنشئة الأبناء وآثار كل أسلوب إيجاباً كان أو ضاراً؛ مما يؤدي إما إلى التوافق والصحة النفسية أو سوء التوافق والاضطرابات النفسية. كذلك يزود المساق بالمعلومات والإرشادات الخاصة بالرعاية الأسرية للأبناء بما يوفر لهم صحة نفسية سليمة أو ما يسمى بالتربية النفسية.كما يتيح المساق الفرصة للطالب للقيام بمجموعة من الزيارات الميدانية .

التوجيه والإرشاد النفسي

اسم المساق	التوجيه والإرشاد النفسي		
رقم المساق	6814180		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	مدخل إلى علم النفس6811010		
نوع المساق	متطلب إجباري قسم		

توصيف مختصر للمساق:

يتناول هدا المساق توضيح الفرق بين عمليتي التوجيه والإرشاد، كما يوضح تاريخ نشأة تطور الإرشاد النفسي، إضافة إلى شرح أهداف الإرشاد وأهم المبادئ التي يقوم عليها، علاوة على تحديد وشرح أهم مهارات العمل الإرشادي، كما يتناول المساق أهم النظريات التي تستخدم في الإرشاد، وطرق وأساليب جمع المعلومات المتنوعة وكيفية عمل دراسة الحالة، إضافة إلى شرح كيفية إدارة الجلسات الإرشادية، كذلك يوضح

مجموعة من الأساليب العلاجية المتنوعة كما يتيح المساق الفرصة للطلبة للتدريب على كيفية عمل دراسة الحالة ووضع الخطط والبرامج العلاجية المناسبة

مهارات التفكير :

اسم المساق	مهارات التفكير		
رقم المساق	6814190		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة :3
	3	0	3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب اختياري		

توصيف مختصر للمساق:

يتناول المساق مفهوم التفكير وخصائصه واهميته، ثم الاتجاهات النظرية المختلفة التي تناولت تعليم التفكير، علاوة على ذلك يعرض المساق لأنواع التفكير المختلفة الإبداعي والناقد والتفكير عالي الرتبة والتفكير ما وراء المعرفي، فضلا عن العديد من المهارات والأنشطة التطبيقية لإتاحة الفرصة لممارسة هذه الأنواع من التفكير.

علم النفس الاكلينيكي

اسم المساق	علم النفس الاكلينيكي		
رقم المساق	6814200		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم إجباري		

توصيف مختصر للمساق:

يتناول هذا المساق تعريف الطالب بعلم النفس الإكلينيكي، كما يتناول أسسه ومبادئه بصفه عامه ومبادئ وأدوات التشخيص الإكلينيكي، كذلك يعرض المساق كيفية استخدام المواد العلمية في التشخيص، كما يتناول المساق أيضا عرض مجموعة من الأمراض النفسية وكيفية التعامل معها، كما يتيح المساق للطالب الفرصة لتشخيص مجموعة من الأضطرابات النفسية ووضع خطط علاجية مناسبة .

العلاج النفسي

اسم المساق	العلاج النفسي		
رقم المساق	6814210		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
نوع المساق	متطلب قسم إجباري		
المتطلب السابق	مدخل إلى علم النفس 6811010		

توصيف مختصر للمساق:

يتناول هذا المقرر المفاهيم ذات الصلة بالعلاج النفسي، وأسباب الاضطرابات النفسية وأعراضها كما يوضحها مساق علم النفس العيادي. ويغطي المساق موضوعات تشمل: نظريات العلاج، وعلم النفس العيادي، كما يتيح المساق المجال للتطبيق العملي من خلال مجموعة من الزيارات الميدانية لضمان تقديم تقنيات استشارة فعالة في مواقف متنوعة. ويركز المقرر على تنمية ممارسات فعالة في التدخل والعلاج في مواقف متنوعة لمتلقي خدمة متنوعين.

التدريب الميداني

اسم المساق	التدريب الميداني		
رقم المساق	6814220		
عدد الساعات	نظري: 0	عملي: 12	مجموع الساعات المعتمدة: 6
نوع المساق	متطلب قسم إجباري		
المتطلب السابق	مدخل إلى علم النفس، علم النفس الاكلينيكي، العلاج النفسي، الاختبارات والمقاييس النفسية إنجاز 99 ساعة معتمدة		

توصيف مختصر للمساق:

يستهدف هذا المساق إتاحة الفرصة للطالب أن يطبق كل ما درسه من معارف ومهارات وخبرات تتعلق بتخصصه في الميدان، حتى يكون مؤهلاً للعمل الفعلي بعد التخرج. وفي هذا الإطار، يقوم الطالب باختيار حالة يقوم بدراستها. وتتنوع هذه الحالات من طالب في مدرسة لديه مشكلة سلوكية أو دراسية، إلى الحالات التي تعاني من اضطرابات نفسية وعقلية في المراكز الصحية مرورا بدور المسنين أو المعاقين أو الموهوبين.. الخ. يقوم الطالب بإجراء المقابلات وتطبيق الأدوات على الحالة بمتابعة المرشد الأكاديمي، ثم يقدم في نهاية المطاف تقريرا تفصيلياً عما قام به. ويتضمن هذا التقرير المعلومات الأساسية عن الحالة وكيف ظهرت المشكلة أو الظاهرة (في حالة الموهبة)، وكيف تطورت، وصولا إلى وضعها الراهن والمآل في المستقبل.

مشروع التخرج

اسم المساق	مشروع التخرج		
رقم المساق	6814230		
عدد الساعات	نظري: 1	عملي: 4	مجموع الساعات المعتمدة: 3
نوع المساق	متطلب قسم إجباري		
المتطلب السابق	إنجاز 105 ساعة معتمدة		

توصيف مختصر للمساق:

يستهدف هذا المساق تدريب الطالب على كيفية إجراء البحوث في مجال علم النفس. وفي هذا الإطار يتم مساعدة الطالب على اختيار موضوع بحثي، ثم إرشاده إلى المراجع والمصادر التي يمكن أن تساعده في بلورة مشكلة البحث ووضع فرضياته. إضافة لذلك، متابعة الطالب وهو يختار أدوات البحث أو تطويرها، وتوجيهه في كيفية معالجة البيانات التي حصل عليها من عملية تطبيق الأدوات. كما يتم إرشاد الطالب عن كيفية كتابة التقرير البحثي. وفي الختام، يتم تقييم عمل الطالب.

توصيفات مساقات القسم الاختيارية

صعوبات التعلم :

اسم المساق	صعوبات التعلم		
رقم المساق	6800240		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم اختياري		

توصيف مختصر للمساق:

يتناول المساق مفهوم صعوبات التعلم، ويوضح تاريخ نشأة وتطور مجال صعوبات التعلم، كذلك يعرض التصنيفات المختلفة لصعوبات التعلم الاكاديمية والنمائية مع توضيح الفرق بينهما . كما يقدم المساق مجموعة من الخصائص يمكن من خلالها الكشف عن ذوي صعوبات التعلم. فضلا عن تقديم آليات الكشف المبكر عن صعوبات التعلم، كما يوفر المساق الفرصة للطالب للتدريب على كيفية استخدام الأساليب والأدوات التشخيصة فضلا عن كيفية وضع وتصميم الخطط العلاجية.

سيكولوجية الموهبة والتفوق

اسم المساق	سيكولوجية الموهبة والتفوق		
رقم المساق	6800250		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم اختياري		

توصيف مختصر للمساق:

يعرض المساق لنبذة تاريخية عن رعاية الموهوبين والمتفوقين، خاصة في العصر الحديث. كما يستعرض المساق للتعريفات والنماذج والنظريات في مجال الموهبة والتفوق، ويطرح في هذا الإطار نموذجا خاصا عن الأداء الإنساني الفائق. كذلك يتناول المساق سمات الموهوبين والمتفوقين وأساليب الكشف عنهم وقياسها، ويعرض أيضا لاحتياجاتهم ومشكلاتهم وكيفية تصميم برامج إثرائية. وأخيرا يتناول المساق كيفية توجيه وإرشاد هذه الفئة الواعدة من أبناء الأمة نفسياً وتعليمياً.

استخدام الحاسوب في البحوث النفسية

اسم المساق	استخدام الحاسوب في البحوث النفسية		
رقم المساق	6800260		
عدد الساعات	نظري: 2	عملي: 2	مجموع الساعات المعتمدة: 3
المتطلب السابق	لا يوجد		
نوع المساق	مدخل إلى علم النفس . الإحصاء في البحوث النفسية (1)		

توصيف مختصر للمساق:

يهدف هذا المساق إلى اكساب الطالب الخبرة والمهارة والمعرفة العملية في استخدام الحاسوب وتطبيقاته (معالجة النصوص والجداول الإلكترونية والعروض التوضيحية والشبكات وقواعد البيانات والنشر الإلكتروني) في إعداد البحوث النفسية وما تتطلب من خطوات ومراحل:

البحث عن الدراسات السابقة، جمع البيانات، تحليل البيانات، ومرحلة عرض النتائج. استخدام الإنترنت وتوظيفها في البحوث النفسية. مع تطبيق لحساب الاختبارات الإحصائية المتقدمة لتحليل البيانات في مجال البحوث النفسية، كل ذلك في سياق استخدام مجموعة متنوعة من تطبيقات وحزم برمجيات الحاسوب، مع التركيز على حزمة البرامج الإحصائية للعلوم الاجتماعية SPSS.

علم النفس البيئي

اسم المساق	علم النفس البيئي		
رقم المساق	6800270		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
المتطلب السابق	لا يوجد		
نوع المساق	مدخل إلى علم النفس6811010		

توصيف مختصر للمساق:

يستهدف هذا المساق عرض المفاهيم الأساسية لعلم النفس البيئي، إضافة تناول المواضيع الأساسية لهذا المجال. ومحور هذا الفرع من فروع علم النفس هو العلاقات المختلفة بين البيئة الفيزيقية وسلوك الإنسان. ويستند في هذا الصدد على مسلمة تفيد بأن البيئة الفيزيقية سواء كانت طبيعية أو مشيدة تشكل سلوك الإنسان على نحوٍ عميق. وفهم عملية التشكيل هذه أمر هام لأنه يساعدنا على فهم أسباب سلوك الإنسان، كما تساعدنا على أن نطور بفعالية البيئة التي يتفاعل معها الإنسان.

علم النفس السياسي

اسم المساق	علم النفس السياسي		
رقم المساق	6800280		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم اختياري		

توصيف مختصر للمساق:

يقدم هذا المساق تعريفا بعلم النفس السياسي باعتباره نقطة التقاء بين علم النفس وعلم السياسة، ويتناول مواضيع لعل من أهمها: علم نفس السلطة، علم نفس الجماهير، علم نفس المعارضة، علم نفس التطرف، علم نفس العنف، علم نفس الحوار، كما يتيح المساق الفرصة لعرض ومناقشة نماذج تطبيقية لتفسير سلوكيات العنف والتطرف واثرها على المجتمع ووضع مقترحات للتعامل معها.

قانون الأسرة لدولة الإمارات العربية المتحدة

اسم المساق	قانون الأسرة لدولة الإمارات العربية المتحدة		
رقم المساق	6800290		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
نوع المساق	متطلب قسم اختياري		
المتطلب السابق	مدخل إلى علم النفس 6811010		

توصيف مختصر للمساق:

يتناول المساق أهم الأبواب الخاصة بالأحوال الشخصية، ودراستها دراسة مقارنة مستوفية لأهم آراء العلماء وأدلتهم فيما ذهبوا إليه وصححوه، من تلك الأبواب: الزواج وأحكامه، حقوق الزوجين، النكاح وأحكامه كالطلاق والخلع والعدة، أحكام الرضاعة والنسب والتبني والحضانة، أحكام التفريق للضرر وللعيب ولغيبة الزوج، أحكام الخلع والظهار والإيلاء واللعان، أحكام العدة.... وما إلى ذلك من الأحكام الشرعية التي تخص الأسرة، كما يتيح المساق الفرصة لعمل بعض الزيارات الميدانية تتيح التعرف على بعض نماذج ومشكلات من الحياة العامة

علم نفس ذوي الاحتياجات الخاصة

اسم المساق	علم نفس ذوي الاحتياجات الخاصة		
رقم المساق	6800300		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
نوع المساق	متطلب قسم اختياري		
المتطلب السابق	مدخل إلى علم النفس 6811010		

توصيف مختصر للمساق:

يتناول هذا المساق تعريف الطالب بمجالات الإعاقة العقلية وخاصة من حيث التعريفات الطبية والنفسية والاجتماعية للإعاقة العقلية. كما يتناول مدى انتشار الاعاقة وأسبابها وطرق قياسها وتشخيصها. كما يعرض الخصائص الشخصية والأكاديمية والاجتماعية للمعوقين عقليا وجسديا. كما يتناول المساق أيضا برامج ومناهج المعوقين عقليا وجسديا وطرق تنظيمها والقضايا والمشكلات المرتبطة بظاهرة الاعاقة. وكيفية التعامل معها.

علم النفس العصبي

اسم المساق	علم النفس العصبي		
رقم المساق	6800310		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم اختياري		

توصيف مختصر للمساق:

يتناول هذا المساق العلاقة بين وظائف الدماغ والسلوك الإنساني في مختلف حالاته سواء في السواء أو المرض. ويحاول المساق إلقاء الضوء على الأسس العصبية للسلوك في مجالات مثل: اللغة والذاكرة والوظائف الانفعالية والتفكير.. الخ. كما يقدم المساق لأسس التقييم النيوروسيكولوجي. إضافة إلى الأطر النظرية التي تفسر الوظائف النفسية المختلفة. كما يتيح المساق الفرصة لعمل تطبيقات التقييم النيوروسيكولوجي على مستوى الوظائف المخية لمناطق الدماغ المختلفة وعلى مستوى الحالات الإكلينيكية بشكلٍ عام.

علم نفس الإدمان

اسم المساق	علم نفس الإدمان		
رقم المساق	6800320		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
المتطلب السابق	مدخل الى علم النفس		
نوع المساق	متطلب قسم اختياري		

توصيف مختصر للمساق:

يقدم هذا المساق إطلالة على مشكلة المخدرات من الأوجه الاجتماعية والنفسية والصحية. فبعد تحديد المفاهيم ذات الصلة بالموضوع. يقدم عرضا لتاريخ المواد النفسية. ويناقش أسباب التعاطي والإدمان. البيولوجية منها والنفسية. ويعرض المساق للتأثيرات المتفاوتة لمواد التعاطي وما يترتب عليها من اضطرابات نفسية واجتماعية. كما يتيح المساق الفرصة لبعض الزيارات الميدانية لبعض المؤسسات لرعاية وعلاج المدمنين بالدولة والتعرف على كيفية التعامل وعلاج مثل هذه المشكلات التي لها تداعيات خطيرة على الأفراد وعلى المجتمع.

علم النفس الصحي

اسم المساق	علم النفس الصحي		
رقم المساق	6800330		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم اختياري		

توصيف مختصر للمساق:

يتناول هذا المقرر مجالا حديثا نسبيا في علم النفس ويتصل أساسا بالعلاقة المتبادلة بين الصحة والجانب النفسي. وفي هذا الإطار يحاول الإجابة عن تساؤلات مثل: هل هناك أنماط معينة من الشخصية أكثر ميلا للإصابة بأمراض عضوية كضغط الدم أو السكري، ما العوامل النفسية والاجتماعية التي تجعل بعض الناس يتصرفون بطرق غير صحية ويتم ذلك من خلال زيارات ميدانية للمستشفيات و الوحدات العلاجية و تطبيق مقاييس الشخصية و حساب معاملات الارتباط بنتائجها و السجلات المرضية . ما الذي يساعد الناس على التكيف مع المرض وخاصة المزمن، هل تؤثر طريقة تفاعل الطبيب مع المريض في تسهيل أو إعاقة الشفاء؟

تعديل السلوك

اسم المساق	تعديل السلوك		
رقم المساق	6800340		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم اختياري		

توصيف مختصر للمساق:

يتناول المساق إحدى الاستراتيجيات الأساسية في مجال العلاج النفسي، القائمة على تصور المدرسة السلوكية وهو "تعديل السلوك". فيبدأ بتعريف تعديل السلوك وأسسه وأهدافه، ثم الخطوات العامة في تعديل السلوك. كما يعرض مجموعة من التصاميم كخطط علاجية لتعديل السلوك مثل تعديل السلوك باستخدام التعزيز، أو باستخدام نموذج بناء السلوك، كذلك تعديل السلوك من خلال استخدام العقاب، كما يتيح المساق الفرصة للطالب لعمل بعض الزيارات الميدانية وعمل دراسة حالات من الواقع وتصميم خطة علاجية لتخفيض السلوك الخاطئ وتُختتم هذه الباقة من التصاميم العلاجية التي تستهدف تعديل السلوك بتقديم نموذج باندورا في تعديل السلوك الإنساني وهو "العلاج بالتعلم الاجتماعي".

علم النفس الإيجابي

اسم المساق	علم النفس الإيجابي		
رقم المساق	6800350		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب قسم اختياري		

توصيف مختصر للمساق:

يهدف هذا المساق إلى تقديم خلاصة ما حققه علماء النفس في مجال جديد نسبيا وواعد وهو علم النفس الإيجابي، الذي يركز على نقاط القوة لدى البشر بعد أن كان تركيز علماء النفس منصب في الأساس على نقاط الضعف الإنساني. ومن هذا المنطلق يعالج المساق مواضيع السعادة وجودة الحياة والتفاؤل وكيفية اكتسابه. كما يتناول الانفعالات الإيجابية وحُسْنُ الحال well-being. ويتطرق المساق إلى الجانب

التطبيقي في علم النفس الإيجابي. مثل كيفية تعلم التفاؤل وعلاج حُسْنِ الحال well-being therapy. أخيرا، يتطرق المساق إلى علاقة الثقافة بعلم النفس وانعكاس ذلك إيجابا على الفرد وخاصة الشباب.

علم النفس الجنائي

اسم المساق	علم النفس الجنائي		
رقم المساق	6800360		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
نوع المساق	متطلب اختياري		
المتطلب السابق	مدخل إلى علم النفس 6811010		

توصيف مختصر للمساق:

يتناول هذا المساق علاقة علم النفس بعلم الجريمة. وكذلك دراسة الأطر النظرية والأسس التطبيقية للنظريات النفسية المعاصرة التي تهتم بتفسير دوافع السلوك الإجرامي والتي تتضمن (الاتجاه النفسي-الحيوي، الاتجاه السلوكي المعرفي، الاجتماعي). كما يتناول متغيرات الشخصية وعلاقتها بالسلوك الاجرامي. علاوة على تقديم بعض أساليب تشخيص السلوك الاجرامي وطرق قياسه. كما يتضمن المساق تقديم بعض استراتيجيات وأساليب الوقاية من السلوك الاجرامي بوجه عام (لدى الأحداث والراشدين). كما يتيح المساق للطالب القيام بعض الزيارات الميدانية والتعرف على بعض المشكلات السلوكية المنحرفة في المجتمع

علم نفس المسنين وارشادهم :

اسم المساق	علم نفس المسنين وارشادهم		
رقم المساق	6800370		
عدد الساعات	نظري: 3	عملي: 0	مجموع الساعات المعتمدة: 3
المتطلب السابق	مدخل إلى علم النفس 6811010 علم نفس النمو : الطفولة والمراهقة 6811040		
نوع المساق	متطلب قسم اختياري		

توصيف مختصر للمساق:

يتناول هذا المساق مرحلة المسنين والشيخوخة. فيبدأ بتعريف هذه الفئة وأسباب الاهتمام بها. ومفهوم كبار السن في الثقافات المختلفة. والأساس الفلسفي لدراسة المسنين. ويتطرق إلى معاملة الإسلام لهذه المرحلة العمرية. والنظريات المختلفة التي تعلرضت لمرحلة المسنين ومشكلاتهم. كما يعرض المساق لمظاهر الاضطراب لدى المسنين. واتجاه الناس نحوهم. ومفهوم الذات لديهم. كما يستعرض المساق بعض الاضطرابات النفسية التي يعانون منها وطرق الوقاية من خلال عرض لمجموعة من البرامج الإرشادية التي تساعد المسن على التكيف مع تلك المرحلة العمرية و التي تتسم بالتدهور في جميع الوظائف النمائية و الفسيولوجية و التي تنعكس سلبيا على الناحية النفسية للمسن . كما تظهر بعض التغيرات المعرفية لدى المسن مثل الأصابة بالزهيم .

كما يركز المساق على تصميم برامج أرشادية للمسن تساعده على التكيف مع تلك المرحلة و تمكنه من الوصول إلى الصحة النفسية المنشودة. وكذلك تصميم برامج أرشادية للمتعاملين مع حتى يتجاوز المسن أزمه التقدم بالعمر.

علم نفس الفروق الفردية

اسم المساق	علم نفس الفروق الفردية		
رقم المساق	6800380		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	مدخل إلى علم النفس 6811010		
نوع المساق	متطلب اختياري		

توصيف مختصر للمساق:

يتناول هدا المساق توضيح الفروق الفردية وكيفية قياسها . كما يوضح تطور البحث في الفروق الفردية . لماذا تدرس الفروق الفردية . تعريف الفروق الفردية إضافة إلى العوامل المؤثرة في مدى الفروق الفردية . إضافة إلى شرح نظريات التنظيم العقلي المعرفي. وشرح وتحديد أهم الفروق الفردية في التنظيم العقلي (اختبارات الذكاء. قياسه . القدرات الخاصة . التحصيل الدراسي) . كما يتناول المساق أهم الفروق الفردية في الشخصية وقياسها " مقابلات . وملاحظات " . وطرق وأساليب جمع المعلومات المتنوعة وكيفية توزيع التلاميذ في الفصول . إضافة إلى شرح التطبيقات التربوية للفروق الفردية. كما يتيح المساق للطالب القيام ببعض الزيارات الميدانية وتطبيق بعض الاختبارات

English Texts in psychology

Course Name	English Texts in Psychology		
Course Number	6800390		
Hours	Theory 3Hours	Practical: 0	Total of Credit Hours:3
Course Type	Compulsory Department Requirement		
Prerequisite	6811050		

Course Outline:

This course introduces students to the meanings of English psychological terms and the corresponding meanings in Arabic. This course also enables students to read a full text in English about certain psychological topics with a clear and accurate pronunciation. It also teaches students to use each psychological term in a useful and meaningful sentences. Finally, it enables students to participate in a group to present any selected topic in English and explain it in the classroom

الإحصاء في البحوث النفسية (2)

اسم المساق	الإحصاء في البحوث النفسية (2)		
رقم المساق	6800400		
عدد الساعات	نظري: 2	عملي: 2	مجموع الساعات المعتمدة: 3
نوع المساق	متطلب قسم إجباري		
المتطلب السابق	المدخل إلى علم النفس 6811010 والإحصاء في البحوث النفسية (1) 6812060		
رقم المساق	6812060		

توصيف مختصر للمساق:

يتم استكمال ما تم البدء فيه في مساق "الإحصاء في البحوث النفسية (1)". فيدرس الطالب الأساليب الإحصائية المستخدمة في تحليل البيانات النفسية. وتشمل: اختبار مربع كاي ومعاملات ارتباط الفئات المنفصلة (فاي ومعامل التوافق) وتحليل التباين البسيط (لمتغير واحد) وبعض الطرق الإحصائية اللامعلمية (اللابارمترية)، ودلالة النتائج المستخلصة من الأساليب الإحصائية المختلفة. مع العلم أنه يتم تدريب الطلبة على استخدام برامج الحاسوب في التحليل الإحصائي كجزء أساسي من آلية استيعاب الطلبة للمفاهيم والأساليب الإحصائية المتضمنة في هذا المساق.

موضوعات خاصة في علم النفس

اسم المساق	موضوعات خاصة في علم النفس		
رقم المساق	6800410		
عدد الساعات	نظري:3	عملي: 0	مجموع الساعات المعتمدة: 3
المتطلب السابق	مدخل إلى علم النفس و أنجاز 90ساعة معتمدة		
نوع المساق			

توصيف مختصر للمساق:

يهدف المساق إلى دراسة أهم القضايا النفسية المثارة على الساحة حين طرح المساق. ليتم تناولها ومناقشتها وتحليلها وتحديد الدوافع التي أدت لظهورها واقتراح الحلول لها واختبار ها وكتابة تقرير عنها. ويمكن أن تكون من ضمن الموضوعات المثارة منها:

- قضية العدوان والسلوك المضاد للمجتمع ويتناول دراسة طبيعة المتغيرات النفسية والاجتماعية التي تؤدي إلى السلوك العدواني عند الفراد والمظاهر الناجمة عنه من سلوك مضاد للمجتمع. من خلال تناول مفهوم العدوان- مظاهره وأنماطه وأسبابه. النظريات التي تفسره. وأساليب ضبط السلوك. مع عرض برامج تعديل السلوك للأفراد والجماعات للحد من هذا السلوك وكتابة تقرير علمي حول هذه القضية.
- قضية ضبط سلوك المستهلك وتتناول النظريات النفسية والبحوث التي تناولت سلوك المستهلك وقياس وتحليل دوافعه واتجاهاته تجاه عملية الشراء. كما تتناول مراحل عملية اتخاذ قرار الشراء وعلاقتها بشخصية المستهلك. كما يستعرض أثر الإعلانات في تشكيل وتغيير سلوك واتجاهات المستهلك. وتأهل الطالب لتصميم برامج توعية و تعديل سلوك المستهلك و تدريبة على اتخاذ قرارات الشراء بطريقة سليمة. كما يقدم الطالب تقرير علمي عن هذه القضية.

Department of Sociology

Introduction

The science of Sociology and Social Service is the most important knowledge field relating to human life and its activities. That is because understanding and solving phenomena and problems arising from human gatherings and social institutions form the essence of this science. People involved in social research and social service can effectively participate in understanding the social problems scientifically and find solutions for them.

then the introduction of this program is necessary to meet the actual needs of the country development, the job market demands, society needs, and keeping in touch with different social sectors. That is in order to show a keen interest in the Emirates society's genuine values, keep its heritage alive in the present, study its important problems and suggest scientific solutions for them. The role of the program does not only focus on the problems related the job market needs but also it has a basic role in meeting the cultural needs of society. The latter are considered the program's educational and research fields in order to give prominence to the Emirati genuine identity and heritage

Mission

The sociology and social work program has been designed to be taught in Arabic language in Ajman and Fujairah campuses in order to provide students with the required skills to solve problems effectively in different social and organizational environments, to come up with competent specialists with genuine knowledge, and to integrate the theoretical and intellectual frameworks with the society goals and aspirations.

Objectives:

1 -Defining the theoretical foundations of sociology and social work in order to be able to understand the fundamentals and principles of this science as well as its methods.

2 - Identifying models of sociology, social work areas and the role of the researcher and social worker in those areas and the nature of work.

3 - Preparing and qualifying leaders in social work to work in various social institutions, social welfare and work in the field of designing and implementing the policies of social welfare and social research.

4 - Training students to diagnose and solve social problems through critical thinking.

5 - Developing the spirit of scientific research and proficiency in writing research papers in the field of sociology and social service in which the methodology of scientific research is clear.

Program Outcomes:

(A) Knowledge and understanding

1 - Knowing the different circumstances that contributed to the emergence of sociology and social work

2 - Understanding the branches and fields of sociology and social work

3- Understanding the interactive relationship between social and behavioral sciences, and

between sociology and social work

4 - Understanding the theoretical and methodological foundations of sociology and social work.

(B) Thinking skills

1. Analyzing patterns of human behavior and their interaction with the social environment

2- Analyzing social problems and phenomena and proposing solutions.

3. Being able to design and implement policies of social welfare and social research.

4 – Being ability to think critically and creatively in providing solutions appropriate to the problems

(C) Professional and applied skills:

1. Designing and planning of the treatment of individual problems

2 - Interacting with team work

3. Conducting field research

4. Using databases

5- Being able to write scientific research and research papers in the field of sociology and social work

(D) General and changeable skills

1- Being able to work in various social institutions and social welfare

2- Possessing the skill in communication and persuasion

3- Building a skill in forming social relations with others

4- Possessing a skill in measurement and experimentation

5- Applying modern techniques in the practice of social work

6 - Managing the administrative skills related to time management, meeting management and management of government and private institutions.

Admission Requirements:

The student must have a high school diploma from the UAE (scientific or literary) or an equivalent of at least 60% in the first year of admission, and goes up to 65% for the following batches. In case the number of applicants is high, the applicants with higher aggregate will be chosen.

Graduation Requirements:

To obtain a bachelor's degree in the specialization of sociology and social work, the student's GPA should not be less than 2, i.e. 60%. The minimum duration of the study is three and a half years, the maximum duration is eight years, and they should pass 126 credit hours.

Employment Opportunities:

- Ministries

- Community Police
-Ministry of Social Affairs
- Care Centers for the Disabled
- Mother and Child Centers
- All schools of the Ministry of Education
- Community Development Authority
- Juvenile Care Centers
- Punitive and Correctional Institutions
- Centers of Social Welfare
- Nursing Homes

برنامج علم الاجتماع والخدمة الاجتماعية

أولاً : أهمية البرنامج :

يعتبر علم الاجتماع والخدمة الاجتماعية من أهم المجالات المعرفية العلمية صلة بالحياة الإنسانية ونشاطاتها. ذلك أنه في الاجتماع البشري وفي المؤسسات الاجتماعية تنشأ ظواهر ومشكلات يشكل فهمها، واقتراح الحلول لها، جوهر اهتمام علم الاجتماع. فالمشتغلون في البحث الاجتماعي والخدمة الاجتماعية يمكنهم أن يساهموا مساهمة فعالة في فهم المشكلات الاجتماعية فهما علميا وتقديم الحلول المناسبة لها.

ومن ثم، فإن وجود هذا البرنامج يُعد ضرورياً كاستجابة للاحتياجات الفعلية للتنمية وسوق العمل والارتباط بحاجات المجتمع، والتواصل الدائم مع القطاعات الاجتماعية المختلفة، حرصاً على العناية بالقيم الأصيلة للمجتمع الإماراتي ووصل تراثه بحاضره، ودراسة مشكلاته الملحة واقتراح الحلول والمعالجات العلمية لها. كما أن دور البرنامج لا يقتصر على المواضيع المادية المتعلقة بحاجات السوق فحسب، بل أن له دورا أساسياً في العناية بحاجات المجتمع الثقافية التي تشكل أحد المجالات التعليمية والبحثية للبرنامج، بما يؤدي إلى إبراز التراث والثقافة والهوية الإماراتية الأصيلة.

ثانياً: رسالة البرنامج:

تم تصميم برنامج علم الاجتماع والخدمة الاجتماعية باللغة العربية لمقري عجمان والفجيرة لتزويد الطلبة بالمهارات المطلوبة لحل المشكلات بشكل فعال في مختلف البيئات الاجتماعية والتنظيمية. وإعداد الكفاءات ذات الانتماء المعرفي والعلمي الأصيل . وتكامل الأطر النظرية والفكرية . مع أهداف وتطلعات المجتمع.

ثالثاً :أهداف البرنامج

صمم هذا البرنامج بهدف:

1- التعريف بالأسس النظرية لعلم الاجتماع والخدمة الاجتماعية بهدف التمكن من معرفة مقومات ومبادئ هدا العلم وطرقه.
2- التعرف على نماذج من مجالات علم الاجتماع والخدمة الاجتماعية ودورالباحث والأخصائي الاجتماعي في تلك المجالات وطبيعة العمل بها .
3- إعداد وتأهيل قيادات في العمل الاجتماعي للعمل في مختلف المؤسسات الاجتماعية والرعاية الاجتماعية والعمل في مجال تصميم وتنفيذ سياسات الرعاية الاجتماعية والبحث الاجتماعي
4- تدريب الطلبة على تشخيص وحل المشكلات الاجتماعية من خلال التفكير الناقد.
5- تنمية روح البحث العلمي وإجادة كتابة الأوراق البحثية في مجال الاجتماع والخدمة الاجتماعية تتضح فيها منهجية البحث العلمي.

رابعاً: مخرجات البرنامج

(أ) المعرفة والفهم

يتيح البرنامج للخريج إكتساب المعلومات التالية :

1- معرفة الظروف المختلفة التي أسهمت في ظهور علم الاجتماع والخدمة الاجتماعية
2- فهم فروع ومجالات علم الاجتماع والخدمة الاجتماعية
3- معرفة العلاقة التفاعلية بين العلوم الاجتماعية والسلوكية وعلم الاجتماع والخدمة الاجتماعية
4- معرفة الأسس النظرية والمنهجية لعلم الاجتماع والخدمة الاجتماعية.

(ب) مهارات التفكير

بنهاية الدراسة في هذا البرنامج يكتسب الخريج المهارات التالية:

1- يحلل أنماط السلوك الإنساني وتفاعلها مع البيئة الاجتماعية.
2- يحلل المشكلات والظواهر الاجتماعية ويقترح حلولا خاصة بها .
3- يكون قادرا على تصميم وتنفيذ سياسات الرعاية الاجتماعية والبحث الاجتماعي .
4- القدرة على التفكير النقدى والابداعي في طرح الحلول الملائمة للمشكلات

ج- مهارات مهنية وتطبيقية:

بنهاية الدراسة في هذا البرنامج يكتسب الخريج المهارات التالية:

1- يصمم ويخطط لعلاج المشكلات الفردية
2- يتفاعل مع العمل الفريقي
3- يجري البحوث الميدانية
4- يستخدم قواعد البيانات
5- يجيد كتابة البحث العلمي وكتابة الأوراق البحثية في مجال الاجتماع والخدمة الاجتماعية .

د- مهارات عامة وقابلة للتغير :

بنهاية البرنامج يكون الخريج مكتسباً للمهارات التالية :

1- يصبح قادراً على العمل في مختلف المؤسسات الاجتماعية والرعاية الاجتماعية
2- يمتلك المهارة في الاتصال والاقناع
3- يبني مهارة في بناء علاقات اجتماعية مع الآخرين
4- يجيد المهارة في القياس والتجريب
5- يستخدام التقنيات الحديثة في ممارسة العمل الاجتماعي
6- يتمكن من المهارات الإدارية المرتبطة بإدارة الوقت وإدارة الاجتماعات وإدارة المؤسسات الحكومية والخاصة

خامساً : شروط القبول

أن يكون الطالب حاصلاً على شهادة الثانوية العامة من دولة الإمارات العربية المتحدة (قسم علمي أو أدبي) أو ما يعادلها بمعدل لا يقل عن 60% في السنة الأولى من القبول تزيد إلى 65% للدفعات التالية وفي حالة زيادة أعداد الطلبة المتقدمين سيتم التفضيل بينهم بناء على نسبة النجاح في الثانوية العامة.

سادساً : الطلبة وأعضاء هيئة التدريس:

السنة / المقر	2011		2012		2013		2014	
	عدد الطلبة	عدد الأساتذة	عدد الطلبة	عدد الأساتذة	عدد الطلبة	عدد الأساتذة	عدد الطلبة	عدد الأساتذة
مقر عجمان	160	4	250	6	250	6	250	6
مقر الفجيرة	80	2	120	4	120	4	120	4

بعد دراسة الاماكانات وسوق العمل فقد تقرر قبول (160) طالباً في مقر عجمان و(80) طالبا في مقر الفجيرة .وسيتم تعيين أساتذة ممن يحملون ألقاب علمية عليا في حالة الموافقة على المشروع وفق الجدول التالي:

سيتم قبول عدد 160 طالبا وطالبة في السنة الأولى.

سابعاً : متطلبات التخرج

الخطة الدراسية لقسم الاجتماع

يشترط للحصول على درجة البكالوريوس في تخصص الاجتماع والخدمة الاجتماعية ان يحصل الطالب على الحد الادنى التراكمي 2 أي بمعدل 60% . وان يكون الحد الادنى لمدة الدراسة ثلاثة سنوات ونصف السنة . والحد الاعلى ثمانية سنوات . كما عليه ان يجتاز (126) ساعة معتمدة موزعة كالتالي :

المتطلبات	الساعات
الجامعة الإجبارية	15
الجامعة الاختيارية	09
القسم الإجبارية	72
القسم الاختيارية	24
مساقات حرة	06
المجموع	126

أولا : متطلبات الجامعة :

1- متطلبات الجامعة الإجبارية :

إنهاء (15) ساعة معتمدة إجبارية وهي كما يلي :

الرقم	رقم المساق	اسم المساق	Course Title	عدد الساعات المعتمدة	المتطلب السابق
1	ORN111	التوجيه	Orientation	0	
2	ISL114	الثقافة الإسلامية	Islamic Culture	3	
3	ARB111	مهارات الاتصال باللغة العربية	Communication Skills in Arabic	3	
4	STA111	الإحصاء	Statistics	3	
5	ENV111	علوم بيئية	Environmental Sciences	3	
6	COM111	تطبيقات في الحاسوب	Computer Applications	3	

2- متطلبات الجامعة الاختيارية

إنهاء (09) ساعة معتمدة اختيارية على ان يختار الطالب مساقا واحداً على الأقل في كل من المجموعتين وهي كما يلي:

(أ) مجموعة المساقات الإنسانية والاجتماعية

Group A: Humanities and Social Studies Courses

الرقم	رقم المساق	اسم المساق	Course Title	عدد الساعات المعتمدة	المتطلب السابق
1	ISL113	الإعجاز القرآني	The Miraclousness of the Holy Koran	3	
2	URS1	تطوير طاقات الشباب	Entrepreneurship Development	3	
3	ISH111	تأريخ العلوم عند المسلمين	History of Science in Islam	3	

4	PSY111	علم النفس العام	General Psychology	3	
5	ARB111	فن التعبير والكتابة	The Art of Expressing & Writing	3	
6	EMS111	مجتمع الإمارات	Emirates Society	3	
7	ETH111	المبادئ الأخلاقية	Principles of Ethics	3	
8	ARB114	مهارات الاتصال	Communication Skills	3	
9	SOS111	مدخل إلي علم الاتصال الاجتماعي	Introduction to Communication Sociology	3	
10	LAW111	الثقافة القانونية	Legal Culture	3	

(ب) مجموعة المساقات العلمية

Group B: Scientific Courses

الرقم	رقم المساق	اسم المساق	Course Title	عدد الساعات المعتمدة	المتطلب السابق
1	RES211	مناهج بحث	Research Methodology	3	
2	ARC211	مبادئ التصميم المعماري والفنون	Principles of Architecture &Arts	3	
3	DES211	مبادئ التصميم الداخلي	Principles 0f Interior Design	3	
4	SOC211	التكنولوجيا الحديثة والمجتمع	Modern Technology &Society	3	
5	INT211	مفاهيم الانترنت	Internet Concepts	3	
6	INT212	مدخل إلى نظام المعلومات	Intro. to Information System	3	
7	PIO211	الريادة العلمية	Scientific Pioneering	3	
8	MTH111	مبادئ الرياضيات	Principles of Mathematics	3	
9	EDT211	تكنولوجيا التعليم	Education Technology	3	
10	CHM111	الكيمياء العامة	General Chemistry	3	
11	NUT111	أساسيات التغذية البشرية	Fundamental of Human Nutrition	3	
12	AID111	الإسعافات الأولية	First Aid	3	
13	GIS211	تطبيق الاستشعار عن بعد	Application of Remote Sensing	3	
14	BIO111	الأحياء العامة	General Biology	3	
15	ORH211	صحة الفم	Oral Health	3	
16	EPI111	المبادئ العامة لعلم الأمراض	General Principles of Epidemiology	3	
17	CRR111	تمارين إراحة القلب والرئتين	CPR-Cardio Pulmonary Resuscitation	3	
18	INf111	مجتمع المعلومات	Information Society	3	

ثانياً : متطلبات قسم الاجتماع:

1- المتطلبات الإجبارية

إنهاء (72) ساعة معتمدة إجبارية بمعدل (24) مساقاً تخصصياً وهي كما يلي :

التسلسل	اسم المساق	رقم المساق	عدد الساعات	المتطلب السابق
1	مدخل إلى علم الاجتماع	SSW101	3	
2	مدخل إلى الخدمة الاجتماعية	SSW102	3	
3	علم الإنسان	SSW103	3	
4	مجتمع الإمارات المعاصر	SSW104	3	
5	تاريخ الفكر الاجتماعي	SSW105	3	
6	إحصاء اجتماعي	SSW106	4	STA111
7	نظريات اجتماعية	SSW207	3	SSW105
8	مجالات الخدمة الاجتماعية	SSW108	3	SSW102
9	علم الاجتماع العائلي	SSW209	3	
10	علم النفس الاجتماعي	SSW210	3	
11	التغير الاجتماعي	SSW211	3	SSW101
12	طرق البحث الاجتماعي	SSw212	3	SSW106
13	مهارات الاتصال باللغة الانكليزية	SSW313	3	
14	مشكلات اجتماعية	SSW314	3	SSW101
15	الارشاد الاسري	SSW315	3	SSW102
16	نصوص في علم الاجتماع والخدمة الاجتماعية(باللغة الانكليزية)	SSW316	3	SSW313
17	تصميم البحوث وتطبيقاتها	SSW317	3	SSW212
18	علم السكان	SSW318	3	
19	التنظيمات الاجتماعية	SSW419	3	
20	التدريب العملي في المؤسسات	SSW420	3	انجاز 90 ساعة معتمدة
21	التخطيط الاجتماعي	SSW421	3	
22	علم الاجتماع التطبيقي	SSW422	3	SSW101
23	علم الاجتماع الإعلامي	SSW423	3	
24	مشروع تخرج	SSW424	3	SSW217

2- متطلبات القسم الاختيارية

إنهاء (24) ساعة معتمدة اختيارية على أن يختار الطالب (4) مساقات من كل مجموعة من المجموعتين

وهي كما يلي :

(أ) مجموعة مساقات علم الاجتماع

التسلسل	اسم المساق	رقم المساق	عدد الساعات	المتطلب السابق
1	الضبط الاجتماعي	SSW225	3	
2	علم الاجتماع الاقتصادي	SSW226	3	
3	علم الاجتماع الحضري والريفي	SSW227	3	
4	علم اجتماع التنمية	SSW128	3	
5	علم الاجتماع التربوي	SSW129	3	
6	علم الاجتماع الطبي	SSW230	3	
7	علم الاجتماع الصناعي	SSW231	3	
8	علم اجتماع العمل	SSW232	3	
9	المجتمع العربي	SSW233	3	
10	قضايا اجتماعية معاصرة	SSW234	3	
11	علم الاجتماع الجنائي	SSW235	3	

(ب) مجموعة مساقات الخدمة الاجتماعية

التسلسل	اسم المساق	رقم المساق	عدد الساعات	المتطلب السابق
1	مقدمة في الرعاية الاجتماعية	SSW136	3	
2	الخدمة الاجتماعية والمجتمع المحلي	SSW137	3	
3	رعاية ذوي الاحتياجات الخاصة	SSW238	3	
4	طريقة خدمة الفرد	SSW239	3	
5	طريقة خدمة الجماعة	SSW240	3	
6	تنظيم وتنمية المجتمع	SSW241	3	
7	الخدمة الاجتماعية والدفاع الاجتماعي	SSW242	3	
8	الطفولة ومشكلاتها	SSW243	3	
9	رعاية المسنين	SSW244	3	
10	الخدمة الاجتماعية المدرسية	SSW245	3	

3-المساقات الحرة

إنهاء (6) ساعة معتمدة حرة يختارها الطالب حسب رغبته من أي مساق يطرح في الجامعة وهي كما يلي:

رقم المساق	اسم المساق	عدد الساعات	المتطلب السابق
		3	
		3	

توزيع المساقات على الفصول الدراسية

المساق/الفصل	إجباري جامعة	اختياري جامعة	إجباري قسم	اختياري قسم	مساقات حرة	مجموع المساقات
1	2	-	3	-	-	5
2	2	-	3	-	-	5
3	1	-	3	2	-	6
4	-	1	3	2	-	6
5	-	1	3	1	-	5
6	-	1	3	1	-	5
7	-	-	3	1	1	5
8	-	-	3	1	1	5
المجموع	5	3	24	8	2	42

توزيع المساقات على الفصول الدراسية

السنة الأولى / الفصل الأول

التسلسل	اسم المساق	رقم المساق	عدد الساعات	المتطلب السابق
1	مدخل إلى علم الاجتماع	SSW101	3	
2	مدخل إلى الخدمة الاجتماعية	SSW102	3	
3	علم الانسان	SSW103	3	
4	إجباري جامعة		3	
5	إجباري جامعة		3	

السنة الأولى / الفصل الثاني

التسلسل	اسم المساق	رقم المساق	عدد الساعات	المتطلب السابق
1	مجتمع الإمارات المعاصر	SSW104	3	
2	تاريخ الفكر الاجتماعي	SSW105	3	
3	إحصاء اجتماعي	SSW106	4	STA111
4	إجباري جامعة		3	
5	إجباري جامعة		3	

السنة الثانية / الفصل الأول

التسلسل	اسم المساق	رقم المساق	عدد الساعات	المتطلب السابق
1	نظريات اجتماعية	SSW207	3	SSW105
2	مجالات الخدمة الاجتماعية	SSW208	3	SSW102
3	علم الاجتماع العائلي	SSW209	3	
4	اختياري قسم		3	
5	اختياري قسم		3	
6	إجباري جامعة		3	

السنة الثانية / الفصل الثاني

التسلسل	اسم المساق	رقم المساق	عدد الساعات	المتطلب السابق
1	علم النفس الاجتماعي	SSW210	3	
2	التغير الاجتماعي	SSW212	3	SSW101
3	طرق البحث الاجتماعي	SSW212	3	SSW106
4	اختياري قسم		3	
5	اختياري قسم		3	
6	اختياري جامعة		3	

السنة الثالثة / الفصل الأول

التسلسل	اسم المساق	رقم المساق	عدد الساعات	المتطلب السابق
1	مهارات الاتصال باللغة الانكليزية	SSW313	3	
2	مشكلات اجتماعية	SSW314	3	SSW101
3	الارشاد الاسري	SSW315	3	SSW102
4	اختياري قسم		3	
5	اختياري جامعة		3	

السنة الثالثة / الفصل الثاني

التسلسل	اسم المساق	رقم المساق	عدد الساعات	المتطلب السابق
1	نصوص في علم الاجتماع والخدمة الاجتماعية (باللغة الانكليزية)	SSW316	3	SSW213
2	تصميم البحوث وتطبيقاتها	SSW317	3	SSW212
3	علم السكان	SSW318	3	
4	اختياري قسم		3	
5	اختياري جامعة		3	

السنة الرابعة / الفصل الأول

التسلسل	اسم المساق	رقم المساق	عدد الساعات	المتطلب السابق
1	التنظيمات الاجتماعية	SSW419	3	
2	التدريب العملي في المؤسسات	SSW420	3	
3	التخطيط الاجتماعي	SSW421	3	
4	اختياري قسم		3	
5	مساق حر		3	

السنة الرابعة / الفصل الثاني

التسلسل	اسم المساق	رقم المساق	عدد الساعات	المتطلب السابق
1	علم الاجتماع التطبيقي	SSW422	3	SSW101
2	علم الاجتماع الإعلامي	SSW423	3	
3	مشروع تخرج	SSW424	3	SSW217
4	اختياري قسم		3	
5	مساق حر		3	

جدول رقم (1) توزيع المخرجات التعليمية على مساقات برنامج الاجتماع والخدمة الاجتماعية

مساقات التخصص الاختيارية

جدول رقم (2) توزيع المخرجات التعليمية على مساقات برنامج الاجتماع والخدمة الاجتماعية

طبيعة المساق	رقم المساق	إسم المساق	المخرجات																			
			المعرفة والفهم				مهارات التفكير				مهارات مهنية وتطبيقية						مهارات عامة قابلة للتغيير					
			1	2	3	4	1	2	3	4	1	2	3	4	5	6	1	2	3	4	5	6
إجباري	SSW101	مدخل إلى علم الاجتماع	√		√				√		√	√			√			√				
	SSW102	مدخل إلى الخدمة الاجتماعية	√	√			√			√				√		√	√					√
	SSW109	علم الاجتماع العائلي			√	√		√			√	√			√			√				
	SSW104	مجتمع الإمارات المعاصر		√	√			√				√					√				√	
	SSW105	تاريخ الفكر الاجتماعي	√	√				√		√							√					
	SSW106	إحصاء اجتماعي				√			√		√	√				√			√			
	SSW207	نظريات اجتماعية	√		√		√		√		√	√					√					
	SSW208	مجالات الخدمة الاجتماعية	√	√			√		√		√					√		√				
	SSW314	مشكلات اجتماعية	√	√				√			√	√						√				
	SSW210	علم النفس الاجتماعي			√				√		√	√			√				√		√	
	SSW211	التغير الاجتماعي				√				√	√				√							
	SSW212	طرق البحث الاجتماعي			√		√				√	√			√				√			
	SSW313	مهارات الاتصال باللغة الانكليزية	√				√			√								√	√			
	SSW103	علم الإنسان	√					√			√	√							√			
	SSW315	الارشاد الاسري		√			√	√			√	√			√					√		
	SSW316	نصوص في علم الاجتماع والخدمة الاجتماعية(باللغة الانكليزية)	√				√			√								√	√			
	SSW317	تصميم البحوث وتطبيقاتها			√		√	√			√	√			√				√			
	SSW318	علم السكان	√					√			√	√							√			
	SSW419	التنظيمات الاجتماعية	√	√				√			√	√						√				

	SSW420	التدريب العملي في المؤسسات		√				√	√		√			√							√	√
	SSW421	التخطيط الاجتماعي	√		√			√		√	√		√	√			√			√		
	SSW422	علم الاجتماع التطبيقي		√		√		√	√			√			√		√					
	SSW423	علم الاجتماع الإعلامي	√		√			√		√		√					√					
	SSW424	مشروع تخرج		√				√	√		√			√					√		√	
إختياري	SSW225	الضبط الاجتماعي	√		√			√		√	√			√			√				√	
	SSW226	علم الاجتماع الاقتصادي	√					√		√				√			√					
	SSW227	علم الاجتماع الحضري والريفي	√	√				√		√			√	√			√					
	SSW128	علم اجتماع التنمية	√	√					√	√			√				√					
	SSW129	علم الاجتماع التربوي	√		√			√		√				√			√				√	
	SSW230	علم الاجتماع الطبي	√					√		√				√			√					
	SSW231	علم الاجتماع الصناعي	√		√			√	√					√			√				√	
	SSW232	علم اجتماع العمل	√	√				√		√			√	√			√					
	SSW233	المجتمع العربي			√					√				√					√		√	
	SSW234	قضايا اجتماعية معاصرة	√		√			√						√			√				√	
	SSW235	علم الاجتماع الجنائي			√				√				√					√				√
	SSW136	مقدمة في الرعاية الاجتماعية	√	√				√	√			√			√							√
	SSW137	الخدمة الاجتماعية والمجتمع المحلي			√				√				√					√				√
	SSW238	رعاية ذوي الاحتياجات الخاصة		√				√		√			√			√				√		
	SSW239	طريقة خدمة الفرد			√			√	√			√					√			√		
	SSW240	طريقة خدمة الجماعة	√				√			√	√	√		√				√				
	SSW241	تنظيم وتنمية المجتمع		√			√			√			√			√			√			√

	SSW242	الخدمة الاجتماعية والدفاع الاجتماعي		√					√				√	√				√		√		
	SSW243	الطفولة ومشكلاتها	√			√			√		√	√	√					√				
	SSW244	رعاية المسنين		√			√			√	√		√			√						√
	SSW245	الخدمة الاجتماعية المدرسية		√			√		√	√			√			√				√		

توصيف المساقات الإجبارية

مساقات القسم الاجبارية:

مدخل إلى علم الاجتماع:

بيانات أساسية

اسم المساق	مدخل إلى علم الاجتماع		
رقم المساق	SWW101		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الأول- السنة الأولى		

توصيف مختصر للمساق

يتناول المساق نشأة علم الاجتماع وتطوره ، الرواد الأوائل ، ابن خلدون، أوجست كونت، دوركايم ، ماكس فيبر. وموضوعات الثقافة ، التفاعل الاجتماعي، الضبط الاجتماعي. والبناء الاجتماعي والتنظيم ، التنشئة الاجتماعية ، التغير الاجتماعي.

مدخل إلى الخدمة الاجتماعية:

بيانات أساسية

اسم المساق	مدخل الى الخدمة الاجتماعية		
رقم المساق	SSW102		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الأول-السنة الأولى		

توصيف مختصر للمساق

يتناول المساق الإرهاصات التاريخية للخدمة الاجتماعية وأهدافها. والمبادئ العامة للخدمة الاجتماعية والأطر النظرية الخاصة بها. وطرق الخدمة الاجتماعية وأساليبها في التعامل مع الفرد والجماعة والمجتمع. والمجالات المختلفة للخدمة الاجتماعية. والمؤسسات الاجتماعية الأهلية.

علم الإنسان:

بيانات أساسية

اسم المساق	علم الانسان		
رقم المساق	SSW103		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الأول/ السنة الثالثة		

توصيف مختصر للمساق

يتناول هذا المساق تعريف علم الإنسان (الانثروبولوجيا) خصائصه وأهدافه . والتطور التاريخي للانثروبولوجيا . ودراسة الثقافة والمجتمع باعتبار الانثروبولوجيا علما لدراسة ثقافة المجتمع . والضبط الاجتماعي في المجتمعات القبلية . وبعض الاتجاهات النظرية الأساسية في علم الإنسان .

مجتمع الإمارات المعاصر:

بيانات أساسية

اسم المساق	المجتمع الإماراتي المعاصر		
رقم المساق	SSW104		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اجباري		
الفصل الدراسي	الفصل الثاني- السنة الأولى		

توصيف مختصر للمساق

يتناول المساق نشأة مجتمع الإمارات المعاصر وتكوينه الاجتماعي. وسماته ومقوماته.ودراسة طبيعة التنظيمات الاجتماعية السائدة (الأسرة. والتعليم. والصحة. والاقتصاد)التنمية البشرية والتغير الاجتماعي والمشكلات الاجتماعية وعلاقتها بقضايا العولمة والتقنيات الحديثة.

تاريخ الفكر الاجتماعي:

بيانات أساسية

اسم المساق	تاريخ الفكر الاجتماعي		
رقم المساق	SSW105		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الثاني- السنة الأولى		

توصيف مختصر للمساق

معرفة أشكال التنظيم الاجتماعي على مر العصور و في مختلف المجتمعات ودوره في تطور العلوم الاجتماعية والطبيعية . والحضارة بشكل عام , إضافة إلى ذلك هناك بعد آخر يتمثل في الدور الوظيفي للفكر والتراث في تكوين الشخصية . و التوعية بالاختصاص و ربطه بالواقع الاجتماعي .

إحصاء اجتماعي:

بيانات أساسية

اسم المساق	إحصاء اجتماعي		
رقم المساق	SSW106		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	SSW101		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الثاني/السنة الأولى		

توصيف مختصر للمساق

يتناول هذا المساق معنى المتغيرات وأنواعها ومستوى قياسها. كما. يتناول دراسة عرض البيانات الإحصائية وتمثيلها ومقاييس النزعة المركزية والتشتت والإستراتيجيات الإحصائية للمتغيرات الاسمية والترتيبية مثل كاي تربيع ولامبدا وجاما ومعامل الارتباط الاسمي.

نظريات اجتماعية:

بيانات أساسية

اسم المساق	نظريات اجتماعية		
رقم المساق	SSW207		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	SSW105		

نوع المساق	متطلب قسم إجباري
الفصل الدراسي	الفصل الثاني/ السنة الأولى

توصيف مختصر للمساق

يتناول المساق العوامل الموضوعية والفكرية المؤثرة في المعرفة السوسيولوجية وعلاقة النظرية بالبحث. ودراسة الرواد الاجتماعيين من ابن خلدون واوجست كونت و دوركايم و ماركس و هربرت ميد . اضافة الى استعراض مرحلة تاريخ الفكر الاسلامي . واسهامات المفكرين العرب والمسلمين في تأسيس نهضة علمية وثقافية .

مجالات الخدمة الاجتماعية:

بيانات أساسية

اسم المساق	مجالات الخدمة الاجتماعية		
رقم المساق	SSW208		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	065101		
نوع المساق	متطلب قسم اجباري		
مستوى المساق	الفصل الاول - السنة الاولى		

توصيف مختصر للمساق

يتناول هذا المساق بداية ظهور الخدمة الاجتماعية وتطورها واهم مناهج الخدمة الاجتماعية وعلاقتها بالعلوم الأخرى . ودور الحكومة في الخدمة الاجتماعية . ومجالات الخدمة الاجتماعية المختلفة سواء في مجال الأسرة أو الطفولة أو الأحداث المنحرفين أو الخدمات الطبية أو خدمات المعوقين أو الشباب أو الخدمات الريفية والصناعية.

علم الاجتماع العائلي:

بيانات أساسية

اسم المساق	علم الاجتماع العائلي		
رقم المساق	SSW209		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اجباري		
الفصل الدراسي	الفصل الاول - السنة الثانية		

توصيف مختصر للمساق

يتناول هذا المساق نشأة وتطور العائلة كنظام اجتماعي . ومدى أهميتها بالنسبة للفرد والمجتمع من خلال عمليات التنشئة الاجتماعية التي تشترك فيها مع مؤسسات المجتمع المختلفة . وأهمية ودور العلاقات العائلية والعوامل المؤثرة فيه واهم المشكلات الأسرية الناجمة عن عوامل التوتر والتفكك العائلي واهم القواعد الشرعية المنظمة للأسرة في الديانات المختلفة .

علم النفس الاجتماعي:

بيانات أساسية

اسم المساق	علم النفس الاجتماعي		
رقم المساق	SSW210		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الثاني/ السنة الثانية		

توصيف مختصر للمساق

يتناول المساق علاقة هذا العلم بعلم النفس والاجتماع.والتعريف بأهمية علم النفس الاجتماعي ونشأته وتطوره ومدى الحاجة لدراسته. ودراسة العوامل الاجتماعية التي تؤثر في تشكيل الشخصية الاجتماعية. وتكوين الاتجاهات وتغييرها وما يرتبط بذلك من أنماط سلوكية. وفهم الجماعات وأهدافها وبنائها

التغير الاجتماعي:

بيانات أساسية

اسم المساق	التغير الاجتماعي		
رقم المساق	SSW211		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	SSW101		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الثاني/ السنة الثانية		

توصيف مختصر للمساق

يتناول هذا المساق موضوع التغير الاجتماعي والتحديث الذي يعتبر من المواضيع المهمة في حياة المجتمعات التي تعيش ظاهرة التغير المتأصلة في حياتها . وكل ما يتعلق بالتغير الاجتماعي والتحديث من مفاهيمها الأساسية إلى أنماط التغير ونظرياته . وكذلك مشاكل التحديث في العالم الثالث . ومنظورات التحديث وظروفه الموضوعية

طرق البحث الاجتماعي:

بيانات أساسية

اسم المساق	طرق البحث الاجتماعي		
رقم المساق	SSW212		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3

المتطلب السابق	SSW106
نوع المساق	متطلب قسم إجباري
الفصل الدراسي	الفصل الثاني/ السنة الثانية

توصيف مختصر للمساق

يتناول المساق التعريف بالمنهج العلمي وأساسيات البحث الاجتماعي.والعلاقة بين البحث الاجتماعي والنظرية الاجتماعية.وطريقة جمع البيانات و جمعها ومعالجتها وتحليلها. وكيفية التعامل مع المتغيرات. إضافة إلى كيفية تصميم البحث ومعرفة تحديد العينات . وتحليل البيانات

Communication Skills in English Language

BASIC INFORMATION

Communication Skills in English Language			Course Title
SSW313			Course Number
Number of Contact Hours	Lab	Theory	Number of Credits:
3	0	3	
None			Prerequisite
Required			Type of the Course
Third Year First Semester			Course Time (according to department study plan)

COURSE CATALOG DESCRIPTION

The course aims to provide students with the language skills and knowledge required to communicate effectively in English in various speech events. As oral language is the basis for communication, instruction will be focused more on listening and speaking to equip learners with the necessary tools to express their thoughts, ideas, feelings and being able to respond to others. To foster their abilities, students will also be exposed to the grammatical and structural aspects of English including writing and vocabulary building.

مشكلات اجتماعية:

بيانات أساسية

اسم المساق	مشكلات اجتماعية		
رقم المساق	SSW314		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	SSW101		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الأول/السنة الثالثة		

توصيف مختصر للمساق

يبحث هذا المساق في عدد من الموضوعات التي يمكن أن تساعد الدارس في فهم طبيعة المشكلات الاجتماعية وأصولها الاجتماعية. ويحاول تطبيق التصورات النظرية والمناهج الاجتماعية التي تساعد في تحليل أسباب المشكلات وطرح بعض الحلول المناسبة لها.

الإرشاد الأسري:

بيانات أساسية

اسم المساق	الإرشاد الأسري		
رقم المساق	SSW315		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	0650102		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الأول- السنة الثالثة		

توصيف مختصر للمساق

يتناول هدا المساق مفهوم الأسرة ووظائفها ومراحل نموها والمشكلات الأسرية . اضافة الى تحديد مفهوم الإرشاد الأسري ونشأته وتطوره .ومهارات الإرشاد الأسرى وبناء العلاقة الإرشادية ومقوماتها.مع بيان الإرشاد الأسرى عبر المراحل العمرية. وأهدافه والعوامل المؤثرة في التوافق الزواجي وسوء التوافق الزواجي. وأساليب الإرشاد الزواجي ودور المرشد الأسري في عملية الإرشاد .

Texts English for sociology and social work:

Basic Information

Course Title	English for Sociology and Social Work		
Course Number	SSW316		
Number of Credits:	Theory	Lab	Number of Contact Hours
	3	0	3
Prerequisite	0650313		
Type of the Course	Required		
Course Time (according to department study plan)	Third Year	Second Semester	

Course Description

English for Sociology and Social work is designed to familiarize students with the language of this field such as the principle of social work, the family, social welfare services etc. This course also helps students understand and use the essential vocabulary in their study and prospective field of work. It systematically covers words, expressions, structures and texts that frequently occur and recur in sociology and social work.

تصميم البحوث وتطبيقاتها:

بيانات أساسية

اسم المساق	تصميم البحوث وتطبيقاتها		
رقم المساق	SSW317		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	0650212		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الثاني/ السنة الثالثة		

توصيف مختصر للمساق

يتناول هذا المساق اعتماد أسلوب البحث العلمي في تصميم البحوث وتطبيقها ، وخطوات تصميم البحث الاجتماعي ، والمراحل الرئيسية للدراسة العلمية للظاهرة الاجتماعية، وأنواع تصميمات البحث الاجتماعي والعينات وطرق اختيارها ، ووسائل جمع البيانات وتحليلها والتصاميم التجريبية وأنواعها

علم السكان:

بيانات أساسية

اسم المساق	علم السكان		
رقم المساق	SWW318		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الثاني/ السنة الثالثة		

توصيف مختصر للمساق

التعريف بعلم السكان من خلال تطور النظرية السكانية والتعرف على مصادر البيانات السكانية ومعرفة الأساليب المتبعة في دراسة وتوزيع وتركيب السكان وتحليل البيانات السكانية. العلاقة بين النمو السكاني والنمو الاقتصادي وأثر ذلك في تشكيل الاتجاهات نحو عملية الإنجاب. كما يتناول المساق معرفة الأساليب المتبعة في دراسة توزيع وتركيب السكان وتحليل البيانات السكانية

التنظيمات الاجتماعية:

بيانات أساسية

اسم المساق	التنظيمات الاجتماعية		
رقم المساق	SSW419		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	0650209		

نوع المساق	متطلب قسم إجباري
الفصل الدراسي	الفصل الأول/ السنة الرابعة

توصيف مختصر للمساق

يتناول مساق التنظيم الاجتماعي كأحد التخصصات الضيقة لعلم الاجتماع .ونشأة وتطور التنظيمات الرسمية وغير الرسمية.وأهم المداخل النظرية في التنظيم . الأساليب المتصلة بإدارة المؤسسات الاجتماعية.مدى انسجام الممارسات الثقافية مع مفهوم العقلانية في التنظيمات الحديثة

التدريب العملي فى الموسسات:

بيانات أساسية

اسم المساق	التدريب العملي في المؤسسات		
رقم المساق	SSW420		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
		3	3
المتطلب السابق	لا يوجد (أنجاز 90ساعة معتمدة)		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الأول/ السنة الرابعة		

توصيف مختصر للمساق

يجب على طالب الخدمة الاجتماعية أن يمضي 50 ساعة تدريب ميداني على الأقل عن طريق الانتظام لفترة غير قصيرة في المؤسسات الاجتماعية ومجالات الخدمة الاجتماعية في الدولة. ويتم التدريب الميداني بغرض دراسة المشاكل الفردية دراسة وافية والتعرف على طبيعة المشاكل من خلال الواقع ومحاولة إيجاد حلول لها وتطبيق مبادئ طريقة خدمة الفرد في الخدمة الاجتماعية. وذلك تحت إشراف الأستاذ والأخصائي الاجتماعي بالمؤسسة. يتم تقويم الطالب على أساس مدى استيعابه للتدريب وقدرته على حل المشكلات وعلى كافة التقارير الدقيقة. ويتم هذا التدريب العملي أثناء فصل دراسي واحد.

التخطيط الاجتماعي:

بيانات أساسية

اسم المساق	التخطيط الاجتماعي		
رقم المساق	SSW421		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الثاني/ السنة الرابعة		

توصيف مختصر للمساق

يتناول هذا المساق مناقشة وتحليل مفهوم التخطيط الاجتماعي ولتحقيق هذا الغرض سيتم التركيز على ثلاثة محاور وهي تطور مفهوم التخطيط تاريخيا مع الإشارة إلى الإحداث والتحولات التاريخية المهمة التي أثرت في سياق تطور التخطيط وفلسفته ،وتعريفات التخطيط المختلفة والفروق بينها مع التركيز على الإشكال المختلفة للتخطيط الاجتماعي، ومراحل إعداد المخططات الإنمائية وخاصة ما يعرف في البلاد النامية بالخطة الاجتماعية والاقتصادية.

علم الاجتماع التطبيقي :

1- بيانات أساسية

اسم المساق	علم الاجتماع التطبيقي		
رقم المساق	SSW422		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اجباري		
الفصل الدراسي	الثاني/ السنة الرابعة		

توصيف مختصر للمساق:

التعريف بعلم الاجتماع التطبيقي ومجالاته. تحليل نقدي لنماذج من الأبحاث الاجتماعية التطبيقية. تطبيق أفضل الأساليب العلمية في تشخيص وحل المشكلات الاجتماعية. فهم سياسة دولة الرعاية ومدى نجاحها في تطبيق سياسة الترشيد والعدالة في توزيع الخدمات والبرامج التنموية.

علم الاجتماع الإعلامي:

بيانات أساسية

اسم المساق	علم الاجتماع الإعلامي		
رقم المساق	SSW423		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اجباري		
الفصل الدراسي	الفصل الثاني- السنة الرابعة		

توصيف مختصر للمساق:

يتناول هذا المساق نشأة علم الاجتماع ، ومجالاته ، وفروعه التي من بينها "علم الاجتماع الإعلامي" .حيث يهتم بدراسة وسائل الإعلام وأهمية وجودها بالمجتمع. وذلك من خلال عدة عناصر من بينها علاقة الظاهرة الاجتماعية بالظاهرة الإعلامية ، والدراسة المرفلوجية والفسيولوجية لوسائل الإعلام.

مشروع تخرج:

بيانات أساسية

اسم المساق	مشروع تخرج		
رقم المساق	SSW314		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	SSW317		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الفصل الثاني / السنة الرابعة		

توصيف مختصر للمساق

يتناول هذا المساق تطبيق الجوانب المعرفية لمناهج البحث الاجتماعي التي تمكن الطالب من إنجاز مشروع التخرج في علم الاجتماع او الخدمة الاجتماعية ، بحيث يستخدم فيه معارفه النظرية ومهاراته العملية ليقدم مشروعا تطبيقيا من اختياره. كما يحاول تطبيق مناهج البحث الاجتماعي. استخدام برنامج الحزمة الإحصائية للعلوم الاجتماعية SPSS.

متطلبات القسم الاختيارية:

أولا: مجموعة مساقات علم الاجتماع:

الضبط الاجتماعي:

بيانات أساسية

اسم المساق	الضبط الاجتماعي		
رقم المساق	SSW225		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لايوجد		
نوع المساق	متطلب قسم إجباري		
الفصل الدراسي	الأول/ السنة الرابعة		

توصيف مختصر للمساق

يتناول المساق مفهوم الضبط الاجتماعي ووظائفه وتحديد المعايير التصنيفية لتعريفات الضبط الاجتماعي.والأطر النظرية لموضوع الضبط الاجتماعي بين التوجهات الصراعية والمحافظة. كما يتناول الضبط الاجتماعي الرسمي ومؤسساته (القانون - الشرطة- الجامعة ... الخ).والضبط الاجتماعي غير الرسمي ومؤسساته.(العرف - العادات - التقاليد - الطرق الشعبية)

علم الاجتماع الاقتصادي:

بيانات أساسية

اسم المساق	علم الاجتماع الاقتصادي		
رقم المساق	SSW226		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اختياري		
الفصل الدراسي			

توصيف مختصر للمساق

يحدد هذا المساق ماهية علم الاجتماع الاقتصادي وفهم الأسس المنهجية في تحليل الظواهر الاجتماعية والاقتصادية . وربط ذلك بمختلف التغيرات و التبدلات التي تحدث في المجتمعات ومواكبة التقدم والتنمية في مختلف الاتجاهات ودراسة المشكلات.

علم الاجتماع الحضري والريفي

بيانات أساسية

اسم المساق	علم الاجتماع الحضري والريفي		
رقم المساق	SSW227		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اختياري		
مستوى المساق			

توصيف مختصر للمساق

يحاول هذا المساق إعطاء فكرة عامة عن علم الاجتماع بصفة عامة . وعلم الاجتماع الحضري والريفي بصفة خاصة . كما يحاول تسليط الضوء على ظاهرة التحضر والاتجاه والمنهج في علم الاجتماع الحضري . والمدنية كظاهرة حضرية ومقاييس التميز بين الحظر والريف في البلاد العربية

علم اجتماع التنمية:

بيانات أساسية

اسم المساق	علم اجتماع التنمية		
رقم المساق	SSW228		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اختياري		

مستوى المساق	

توصيف مختصر للمساق

يتناول هذا المساق التنمية في الفكر السوسيولوجي ، واهم ديناميات التنمية والعلاقة بينة تنمية المجتمع وتنظيم المجتمع ، وكذلك علاقة التنمية الاجتماعية بالتنمية الاقتصادية والنمو الاقتصادي ، واهم نماذج التنمية الاجتماعية ومبادئها والعلاقة بين التخطيط الاجتماعي والتنمية

علم الاجتماع التربوي:

بيانات أساسية

اسم المساق	علم الاجتماع التربوي		
رقم المساق	SSW228		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اختياري		
مستوى المساق			

توصيف مختصر للمساق:

يعتبر هذا المساق فرعا من فروع علم الاجتماع العام ويهدف البحث عن دور موسسات المجتمع المختلفة في عملية التطبيع ، والبحث في طبيعة العلاقة بين التربية والمجتمع من المنظور الشامل لهذه العلاقة واهم علماء التربية والاجتماع ، ودور التربية والتعليم في المجتمع من خلال عملية التنشئة الاجتماعية التي تقوم بها موسسات المجتمع المختلفة

علم الاجتماع الطبي:

بيانات أساسية

اسم المساق	علم الاجتماع الطبي		
رقم المساق	SSW230		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اختياري		
مستوى المساق			

توصيف مختصر للمساق:

يتناول هذا المساق ميدان علم الاجتماع الطبي ونشأة وتطور هذا العلم والمداخل المنهجية له ، ومجالات البحث في علم الاجتماع الطبي والآثار النفسية والاجتماعية للمرأة ، والعلاقة الإنسانية داخل التنظيمات العلاجية ، ودراسة البناء الاجتماعي للمستشفى الحديث.

علم الاجتماع الصناعي:

بيانات أساسية

اسم المساق	علم الاجتماع الصناعي		
رقم المساق	SSW231		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اختياري		
مستوى المساق			

توصيف مختصر للمساق:

يتناول هذا المساق نشأة وتطور علم الاجتماع الصناعي وأهمية دراسة الصناعة من الوجه السوسيولوجية ، وميدان هذا العلم ، والبناء الاجتماعي للمنظمات الصناعية الحديثة والتحليل الاجتماعي لظاهرة التقدم التكنولوجي وأثره في النظم الاجتماعية.

علم اجتماع العمل:

بيانات أساسية

اسم المساق	علم اجتماع العمل		
رقم المساق	SSW232		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم إختياري		
الفصل الدراسي			

توصيف مختصر للمساق:

يتناول المساق التعريف بعلم اجتماع العمل من حيث نشأته وتطوره.والتنظيمات العمالية ودورها في الدفاع عن مصالح القوة العاملة.وتحليل مشكلات العمل الصناعي كالتغيب ودوران العمل والإضراب و البطالة.وفهم علاقات العمل باعتبارها انعكاسا لعلاقات القوة وأساليب الرشد داخل المصنع أو للمواقع الطبقية في المجتمع الواسع..والتحولات الاقتصادية. الثروة النفطية وآثارها الاجتماعية. اضافة الى تنمية المهارات الخاصة بدراسة المشكلات الاجتماعية.

المجتمع العربي:

بيانات أساسية

اسم المساق	المجتمع العربي		
رقم المساق	SSW233		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		

نوع المساق	متطلب قسم اختياري
الفصل الدراسي	

توصيف مختصر للمساق

يتناول المساق السمات العامة للمجتمع العربي المعاصر وتحديد الخصوصيات الاجتماعية والثقافية .والهوية العربية بين التنوع والتجانس ورصد المحددات الاجتماعية التي تشكل الهوية العربية .وأنماط المعيشة بين التمايز والتداخل وأبعاد الاتفاق والاختلاف بين الأنماط المورفولوجية المتباينة. إضافة إلى الطبقات الاجتماعية. ونظام العائلة. والقيم الاجتماعية

قضايا اجتماعية معاصرة:

بيانات أساسية

اسم المساق	قضايا اجتماعية معاصرة		
رقم المساق	SSW234		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم إختياري		
الفصل الدراسي			

توصيف مختصر للمساق

يتناول المساق الظواهر الاجتماعية الجديدة في المجتمع العربي ، وعلاقة هده الظواهر بالعولمة ، وتحديدا العولمة الاجتماعية ، والاتجاهات الحديثة في التنمية الاجتماعية والتحديث .ومستقبل المجتمع المدني في الوطن العربي ، وبروز النظام الاجتماعي الجديد .وموقع المراة العربية في الحياة العربية المعاصرة ، ودور المؤسسات في تطوير النظام الاجتماعي الجديد

علم الاجتماع الجنائي:

بيانات أساسية

اسم المساق	علم الاجتماع الجنائي		
رقم المساق	0650035		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اختياري		
الفصل الدراسي			

توصيف مختصر للمساق

يتناول هذا المساق التعريف بعلم الاجتماع الجنائي وعلاقته بالعلوم الأخرى والصعوبات النظرية المنهجية في علم الاجتماع الجنائي والمفاهيم المرتبطة به. والأسس المنهجية لهذا العلم والدراسة العلمية للظاهرة الانحرافة ، والاتجاهات السوسيولوجيا الحديثة في دراسة المشكلات الاجتماعية والقانون والجريمة والسلوك ألانحرافي

ثانياً : مجموعة مساقات الخدمة الاجتماعية

مقدمة فى الرعاية الاجتماعية:

بيانات أساسية

اسم المساق	مقدمة في الرعاية الاجتماعية		
رقم المساق	SSW236		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اختياري		
الفصل الدراسي			

توصيف مختصر للمساق

يتناول المساق تاريخ الرعاية الاجتماعية . والرعاية الاجتماعية في الأديان السماوية وخاصة الدين الإسلامي.ويشرح بالتحليل نظريات الرعاية الاجتماعية.وأسس تقديم الرعاية الاجتماعية في الصحة والتعليم والإسكان والخدمات الاجتماعية .

الخدمة الاجتماعية والمجتمع المحلي:

بيانات أساسية

اسم المساق	الخدمة الاجتماعية والمجتمع المحلي.		
رقم المساق	SSW237		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اختياري		
الفصل الدراسي			

توصيف مختصر للمساق

يتناول المساق تعريف بالمجتمع المحلي، والأهداف التي تحققها الخدمة في المجتمع المحلي. وفلسفة العمل مع الجماعات المصغرة. وطريقة تنظيم المجتمع والمجتمع المحلي. والتنمية الاقتصادية والاجتماعية وعلاقتها بالمجتمع المحلي.

رعاية ذوي الاحتياجات الخاصة:

بيانات أساسية

اسم المساق	رعاية ذوي الاحتياجات الخاصة		
رقم المساق	SSW238		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اختياري		

الفصل الدراسي	

توصيف مختصر للمساق

يتناول المساق ماهية المعاق من حيث الجوانب الشخصية والاجتماعية والمجتمعية.والمبادئ العامة لتأهيل المعاقين اجتماعيا.والمؤسسات الاجتماعية وتأهيل المعاقين.والمهن المختلفة وكيفية التعامل مع المعاق. اضافة الى ابراز تجربة رعاية المعاقين في المجتمع الإماراتي.

طريقة خدمة الفرد:

بيانات أساسية

اسم المساق	طريقة خدمة الفرد		
رقم المساق	SSW239		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اختياري		
مستوى المساق			

توصيف مختصر للمساق

يتناول هذا المساق تمهيد لاهم مداخل خدمة الفرد وماهيتها , وعمليات خدمة الفرد ونظرياتها ويتناول خدمة الفرد كطريقة علمية واثر النظريات النفسية في خدمة الفرد وكذلك عمليات خدمة الفرد

طريقة خدمة الجماعة:

بيانات أساسية

اسم المساق	طريقة خدمة الجماعة		
رقم المساق	SSW240		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم اختياري		
مستوى المساق			

توصيف مختصر للمساق

يتناول هذا المساق تعريف الجماعة وأهميتها بالنسبة للفرد , ونظرة تاريخية عن كيفية تطور العمل مع الجماعات ومشكلاتها واهم البرامج الموضوعة في هذا المجال . واثر النظريات العلمية في خدمة الجماعة , وعمليات التقويم في طريقة العمل مع الجماعات

تنظيم وتنمية المجتمع:

بيانات أساسية

اسم المساق	تنظيم وتنمية المجتمع

رقم المساق	SSW241			
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة	
	3	0	3	
المتطلب السابق	لا يوجد			
نوع المساق	متطلب قسم اختياري			
مستوى المساق				

توصيف مختصر للمساق

يتناول هذا المساق المسلمات الأساسية التي يستند إليها طريقة تنظيم وتنمية المجتمع . وخطوات تنظيم وتنمية المجتمع وأهدافه . ومشكلات تنظيم المجتمع وتنمية وعوامل نجاحها . وعلاقة تنظيم المجتمع بتنميته والعناصر الأساسية في تنمية المجتمع المحلي

الخدمة الاجتماعية والدفاع الاجتماعي:

بيانات أساسية

اسم المساق	الخدمة الاجتماعية والدفاع الاجتماعي			
رقم المساق	SSW242			
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة	
	3	0	3	
المتطلب السابق	لا يوجد			
نوع المساق	متطلب قسم اختياري			
الفصل الدراسي				

توصيف مختصر للمساق

يركز هذا المساق على إدراك الطلبة لمفهوم الدفاع الاجتماعي وشموله من خلال مجالاته المختلفة . وفلسفته والأسس التي يستند اليها . والدور المهني للخدمة الاجتماعية وارتباط الدفاع الاجتماعي ومجالاته المتنوعة كالأحداث ورعاية المسجونين وأسرهم بإشباع الحاجات ومواجهة المشكلات الاجتماعية المرتبطة بها . وأساليب تدعيم فعالية هذا المجال.

الطفولة ومشكلاتها:

بيانات أساسية

اسم المساق	الطفولة ومشكلاتها			
رقم المساق	SSW243			
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة	
	3	0	3	
المتطلب السابق	لا يوجد			
نوع المساق	متطلب قسم إختياري			
الفصل الدراسي				

توصيف مختصر للمساق

يتناول المساق المبادئ العلمية لرعاية الاطفال من الولادة وحتى الثالثة. تغطي المجموعة الأوجه مختلفة: العاطفية، والنفسية، والاجتماعية والذهنية والحسية والحركية، وأسس التربية والرعاية المبكرة؛ ومراحل تطور الطفل؛ كيف يتعلم الصغار؟ التدخل المبكر ومناهج وخدمات الرعاية المبكرة؛ ومراكز رعاية الطفولة؛ دور الأهل؛وإعداد فريق من العاملين في هدا المجال.

رعاية المسنين:

بيانات أساسية

اسم المساق	رعاية المسنين		
رقم المساق	SSW244		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم إختياري		
الفصل الدراسي			

توصيف مختصر للمساق

يناول المساق نشأة المنظمات الدولية المهتمة برعاية المسنين، وتاريخ رعاية المسنين في الدول العربية بشكل عام والامارات بشكل خاص، والتطور الكمي لفئة كبار السن في الامارات حاليا ومستقبلا، والرعاية الإسلامية والتربوية لكبار السن، ورعاية المؤسسات التربوية اللانظامية للمسنين، ورعاية المؤسسات التربوية النظامية لهما ،وكيفية رعاية مؤسسات التربية النظامية واللانظامية لكبار السن

الخدمة الاجتماعية المدرسية:

بيانات أساسية

اسم المساق	الخدمة الاجتماعية المدرسية		
رقم المساق	SSW245		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم إختياري		
الفصل الدراسي			

توصيف مختصر للمساق

يتناول المساق كيفية التعامل مع الشباب بما يتعلق بمشكلاتهم واحتياجاتهم من منظور الخدمة الاجتماعية ،واساليب التحاور معهم ، والمبادئ العلمية لمفهوم فلسفة وقيمة الخدمة الإجتماعية في المؤسسات التعليمية ، مع بيان نشأة الخدمة الإجتماعية في المجال التعليمي وتطورها ، والمشكلات المتنوعه التي تواجه الطلاب في المؤسسات التعليمية ،والمعوقات التي تواجه ممارسة الخدمة الإجتماعية في المؤسسات التعليمية ، اضافة الى شرح الأتجاهات الحديثة للخدمة الإجتماعية في العمل مع المؤسسات التعليمية.

College of Engineering and Information Technology (CEIT)

The rapid growth in the development of instruments, hardware, software, and the widespread applications in all aspects of life created a considerable demand for engineering and computing graduates in all specializations. The College of Engineering and Information Technology (CEIT) offers quality academic programs to meet the needs of the society in a variety of areas such as, electronics, communication, control, computer engineering, biomedical engineering, information technology, information systems, power and renewable energy among others to prepare its students for gainful employment in the dynamic and rapidly evolving engineering and computing industry.

Vision

The vision of the College of Engineering and Information Technology is to be among the best engineering and information technology colleges in the region.

Mission

The mission of the College of Engineering and Information Technology is to provide high quality and relevant education in engineering and computing that prepares students to deal with the real-world problems; support impactful research and innovative scholarly activities to solve engineering and computing problems and build impactful partnerships with the community. This is consistent with AU mission.

Goals

The College of Engineering and Information Technology aims at:

- Providing high quality internationally recognized engineering and computing academic programs
- Promoting research that contributes to the advancement in the field of engineering and information technology
- Producing graduates who are innovative, life-long learners and able to pursue further graduate studies in their discipline of engineering and computing
- Providing community services to the UAE society and the region in the field of engineering and information technology
- Increasing the visibility of the College of Engineering and Information Technology in the UAE and the region

Departments

- Department of Electrical and Computer Engineering
- Department of Information Technology
- Department of Biomedical Engineering

Programs Offered

The College of Engineering and Information Technology offers the following programs:

- Bachelor of Science in Electrical Engineering
  - Instrumentation and Control
  - Electronics and Communication
  - Power and Renewable Energy
- Bachelor of Science in Computer Engineering
- Bachelor of Science in Biomedical Engineering
- Bachelor of Science in Information Systems
  - Project Management
  - E-Business Management
- Bachelor in Science in Information Technology
  - Networking and Security
  - Databases and Web Systems

Admission Requirements

- Admission to Electrical Engineering, Computer Engineering and Biomedical Engineering programs requires a UAE secondary school certificate (Advanced stream) or its equivalent with a minimum grade of 70 percent. (For further information please refer to the University admissions policy.
- Admission to Information Systems program requires a UAE secondary school certificate or its equivalent with a minimum grade of 60 percent for advanced stream and 65% for general stream. (For further information please refer to the University admissions policy).
- Admission to Information Technology program requires a UAE secondary school advanced stream certificate or its equivalent with a minimum grade of 70. Students with UAE secondery school general stream certificate can be admitted provided that they have a minimum score of 70% in addition to a minimum score of 70% in both Math and Physics. (For further information, please refer to the University admissions policy).

Academic Staff

Faculty members hold terminal degrees from internationally recognized universities and are well versed in their areas of specialization.

Laboratories

The College of Engineering and Information Technology has well-equipped laboratories which provide practical hands-on experience to students of all specializations.

Lecture Rooms

The college has appropriate lecture rooms that meet all needs of delivering courses' materials such as data shows, smart boards and access to the internet.

Other Facilities

College of Engineering and Information Technology students have access to a wide range of university facilities including computer labs, libraries, learning and information resources, sports and recreation facilities, swimming pool, cafeteria and clinics.

Internship

External internship is an essential part of the curriculum of all College of Engineering & Information Technology programs. Students are required to complete external internship where its duration depends on the program. The College has extensive links with local organizations such as engineering companies, hospitals, power plants, governmental organizations and other firms, who offer on-site external internship to engineering and information technology students. The aim of the external internship program is to enable students to acquire practical skills, gain an understanding of the work environment and improve their communication skills.

Prior to the external internship, students of all programs, take part in an internal training program to enhance their practical and professional skills.

Department of Electrical and Computer Engineering

Vision of Electrical & Computer Engineering (ECE) Department

The vision of the Department of Electrical and Computer Engineering is to become a nationally recognized Electrical & Computer Engineering Department in the region.

Mission of Electrical & Computer Engineering Department

The Department of Electrical & Computer Engineering (ECE) aims to provide high quality education to its students by focusing on developing their technical as well as generic skills so that they are well qualified for gainful employment in electrical & computer engineering disciplines and can effectively contribute to the advancement of the community. It also aims to promote research and community engagement as well as prepare its students for graduate studies in electrical & computer engineering.

Bachelor of Science in Electrical Engineering

The Electrical Engineering Program

The Electrical Engineering program offered by the Department of Electrical and Computer Engineering is appropriate to the University mission and its design and composition as well as its delivery and assessment of learning outcomes are in accordance with international academic norms. There is a regular process of assessment and evaluation and the results of such evaluation are regularly utilized for continuous improvement of the program. Its program learning outcomes are appropriate to the level of qualifications awarded and are consistent with the UAE Qualification Framework (QFEmirates).

The EE program requires a total of 142 credit hours for graduation. This includes 3 credit hours for 12 weeks of practical training (internship) in engineering organizations preceded by 2 weeks of intensive internal training in the College of Engineering & IT. The remaining 139 credit hours of course work are distributed over 8 full semesters and one summer semester. Accordingly, a student can complete all the requirements for graduation in a period of four years. For graduation, a student must have cumulative GPA of at least 2.0. Depending upon the chosen concentration, students are awarded degrees as follows:

- B.Sc in Electrical Engineering (Electronics and Communication)
- B.Sc in Electrical Engineering (Instrumentation and Control)
- B.Sc in Electrical Engineering (Power and Renewable Energy)

The first three years of the study plan will be exactly the same as those of other concentrations and only in the final (fourth) year, students will take some different specialization courses.

Program Goals

The EE Program Goals, also referred to as Program Educational Objectives (PEOs), are stated below.

Graduates of EE program shall be:

1. Contributing as productive individuals, team members, and leaders in electrical engineering profession.
2. Updating and adapting their knowledge and abilities in their major field and associated disciplines.
3. Engaging with the community at all levels in an ethical and professional manner.
4. Pursuing graduate studies in electrical engineering and related fields both inside and outside the United Arab Emirates.

Program Outcomes (POs)

The Program Outcomes (POs) are also referred to as Student Outcomes (SOs). To combine both terminologies, these outcomes may also be referred to as Student/Program Outcomes. The EE program has 12 Program Outcomes, stated as A to L, as given below.

(A) an ability to apply knowledge of mathematics, science, and engineering

(B) an ability to design and conduct experiments, as well as to analyze and interpret data

(C) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability

(D) an ability to function on multidisciplinary teams

(E) an ability to identify, formulate, and solve engineering problems

(F) an understanding of professional and ethical responsibility

(G) an ability to communicate effectively

(H) the broad education necessary to understand the impact of engineering solution in a global, economic, environmental, and societal context

(I) a recognition of the need for, and an ability to engage in life-long learning

(J) a knowledge of contemporary issues

(K) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

(L) an ability to demonstrate broad knowledge in the field of electrical engineering and specialized knowledge in chosen concentration.

Relationship of Program Outcomes to Program Goals

The Program Goals, based on the needs of its constituents, are broad statements. On the other hand, the Program or Student Outcomes (POs or SOs), derived from Program Goals, are defined in measurable terms and represent the abilities and attributes of students at the time of their graduation. Accordingly, there must be a well-defined relationship between Program Outcomes and Program Goals as the former will assist in attaining the latter. For the EE program, this

relationship is given in Table 1 which shows how SOs will prepare graduates to attain the Program Goals.

Table 1: Relationship of Program Outcomes and Program Goals

Program Outcomes	Program Goals (Abbreviated)			
	Goal #1 Productively contributing in EE Profession	**Goal #2** Updating their knowledge and abilities	**Goal #3** Ethical and professional community engagement	**Goal #4** Pursuing graduate studies
A	✓			✓
B	✓			✓
C	✓			✓
D	✓			
E	✓			✓
F			✓	
G	✓			✓
H			✓	
I		✓		✓
J			✓	
K	✓	✓		✓
L	✓	✓		✓

The rationale for the above table is as follows:

Goal #1: The most relevant program outcomes are those related to technical competence, i.e. A, B, C, E, K, and L. Outcomes D and G are relevant because teamwork and effective communication play an important role in professional environment.

Goal #2: Outcomes I, K, L are relevant because with their current knowledge and skills as well as ability for life-long learning, graduates will be able to continually update their knowledge and skills.

Goal #3: Outcomes F, H, J are relevant since in addition to an understanding of professional and ethical responsibility, it is also important to have knowledge of contemporary issues and the impact of engineering solutions while engaging with the community at different levels.

Goal #4: For graduate studies all outcomes related to technical competence, i.e. A, B, C, E, K, and L are relevant. In addition, outcomes G and I are important because they relate to communication skills and self-learning ability.

Alignment of Program Outcomes to QFEmirates

The Program Outcomes are consistent with the level of qualification awarded as defined in the UAE Qualification Framework. Out of twelve Program Outcomes, four each are for knowledge, skills, and competencies, as follows:

Knowledge:

1) An ability to apply knowledge of mathematics, science, and engineering.
2) An ability to identify, formulate, and solve engineering problems.
3) A knowledge of contemporary issues.
4) An ability to demonstrate broad knowledge in the field of electrical engineering and specialized knowledge in chosen concentration.

Skills:

1) An ability to design and conduct experiments, as well as to analyze and interpret data.
2) An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
3) An ability to communicate effectively.
4) An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Competencies:

1) An ability to function on multidisciplinary teams.
2) An understanding of professional and ethical responsibility.
3) Understanding of the impact of engineering solution in a global, economic, environmental, and societal context.
4) A recognition of the need for, and an ability to engage in life-long learning.

The alignment of Program Outcomes to QFEmirates is shown below in Table 2.

Table 2: Alignment of Program Outcomes to QFEmirates

Program Outcomes	Strand 1 Knowledge	Strand 2 Skills	Strand 3 Autonomy & Responsi-bility	Strand 4 Role in Context	Strand 5 Self-Development
A. an ability to apply knowledge of mathematics, science, and engineering	X				
B. an ability to design and conduct experiments, as well as to analyze and interpret data		X			
C. an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability		X			
D. an ability to function on multidisciplinary teams			X		
E. an ability to identify, formulate, and solve engineering problems	X				
F. an understanding of professional and ethical responsibility				X	
G. an ability to communicate effectively		X			
H. the broad education necessary to understand the impact of engineering solution in a global, economic, environmental, and societal context				X	
I. a recognition of the need for, and an ability to engage in life-long learning					X
J. a knowledge of contemporary issues	X				

K. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice		**X**			
L. an ability to demonstrate broad knowledge in the field of electrical engineering and specialized knowledge in chosen concentration.	**X**				

Admission Requirements

Admission to the electrical engineering specialization requires a UAE secondary school certificate (science major) or its equivalent with a minimum grade of 70 percent. For further information, please refer to the university admissions policy.

Career Opportunities

Graduates of the electrical engineering pursue careers in a wide range of industries and services, including the electronic and computer industries, industrial manufacturing plants, security control systems, design automation companies, product design and development companies, major service companies for electronic appliances, mobile telephone industry, digital communication and networking industry, television and radio services, telecommunication companies, electrical power generation companies, electrical power distribution services, and renewable energy system design companies.

Graduation Requirements

The Bachelor of Science degree is awarded upon the fulfillment of the following:

- Successful completion of all courses in the program curriculum (139 credit hours)
- Successful completion of 2 weeks of internal training and 12 weeks of external training at engineering companies (3 credit hours)
- The cumulative grade points average CGPA is at least 2.0

Degree requirements

The B.Sc. degree in Electrical Engineering requires the completion of 139 Cr. Hrs of course work, distributed according to the following plan, plus 3 credit hours of practical training or internship (total of 142 credit hours):

Type of Courses	Credit hours
1. University General Education Requirements	
(a) University Required Courses	15
(b) University Elective Courses	6
2. College Required Courses	36
3. EE Required Courses	57

4. Specialization Courses	19
5. Graduation Projects I & II	6
Total Credit Hours (course work)	139

University General Education Requirements

(a) University Required Courses (15 Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ORN111	Orientation	1	0	0	0	---
ISL114	Islamic Culture	3	0	1	3	---
ARB111	Communication Skills in Arabic Language	3	0	0	3	---
STA112	Statistics	2	2	0	3	---
COM111	IT Fundamentals	2	2	0	3	---
INN311	Innovation and Entrepreneurship	3	0	0	3	60 credit hours

(b) University Elective Courses (Humanities or Arts) (3 credit hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
LAW111	Legal Culture	3	0	0	3	---
ART111	Introduction to Art	3	0	0	3	---
ART211	Introduction to Digital Photography	3	0	0	3	---
ART112	Introduction to Aesthetics	3	0	0	3	---
FRE211	French Language	3	0	0	3	---
ARB113	The Art of Written Expression	3	0	0	3	---
INF112	Academic Writing	3	0	0	3	---
ENG211	The Art of Public Speaking	3	0	0	3	---
ISL211	Introduction to Hadeeth and Sunna	3	0	0	3	---

(c) University Elective Courses (Social or Behavioral Sciences) (3 credit hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ECO211	Economic Concepts	3	0	0	3	---
EMS111	Emirates Society	3	0	0	3	---
PSY111	General Psychology	3	0	0	3	---

ENG111	English Communication Skills	3	0	0	3	---
SOC112	Communication between Cultures	3	0	0	3	---
INF113	Library Information System	3	0	0	3	---
THI211	Critical and Analytical Thinking	3	0	0	3	---

College Required Courses (36 Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite(s)
ENV111	Environmental Sciences	3	0	0	3	---
MTH121	Engineering Mathematics I	3	0	2	3	---
PHY121	Engineering Physics I	3	2	2	4	---
CHE101	Chemistry for Engineers	2	2	0	3	---
ELE101	Computer Programming	3	0	2	3	COM111
MTH122	Engineering Mathematics II	3	0	2	3	MTH121
PHY122	Engineering Physics II	3	2	2	4	---
ELE102	Introduction to Engineering	1	0	1	1	---
ELE301	Report Writing & Presentation	3	0	1	3	ELE102 + Junior Standing
MTH221	Engineering Mathematics III	3	0	2	3	MTH122
MTH222	Engineering Mathematics IV	3	0	2	3	MTH221
ELE410	Engineering Management	3	0	0	3	ELE301

EE Required Courses (57 Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ELE202	Logic Design	3	2	2	4	COM111
ELE206	Engineering Analysis	3	0	2	3	ELE101
ELE203	Circuit Analysis I	3	2	2	4	PHY122
ELE205	Electronic Devices & Circuits I	3	2	2	4	ELE203
ELE204	Signal and Systems	3	0	2	3	MTH221
ELE207	Circuit Analysis II	3	2	2	4	ELE203
ELE305	Electronic Devices & Circuits II	3	2	2	4	ELE205
ELE302	Principles of Communications	3	2	2	4	ELE204
ELE303	Electromagnetic Fields & Wave Propagation	3	0	2	3	PHY122, MTH221

ELE307	Control Systems	3	2	2	4	ELE204
ELE310	Design with Integrated Circuits	3	2	0	4	ELE305
ELE314	Microcontrollers and Applications	3	2	0	4	ELE101, ELE202
ELE313	Sensors and Instrumentation	3	2	0	4	ELE305, ELE206
ELE312	Power Systems & Electrical Machines	3	2	0	4	ELE207
ELE304	Probability and Random Variables	3	0	2	3	MTH122
ELE465	Senior Seminar	1	0	0	1	ELE301

Specialization Required Courses & Graduation Projects (16 Cr. Hrs.)

Electronics & Communication Concentration

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ELE425	Optoelectronics	3	0	0	3	ELE305 ELE303
ELE451	Communication & Switching Networks	3	2	0	4	ELE302
ELE455	Wireless Communication	3	0	0	3	ELE302, ELE303
ELE438	Graduation Project I	1	4	0	3	ELE310
ELE439	Graduation Project II	1	4	0	3	ELE438

Specialization Required Courses & Graduation Projects (16 Cr. Hrs.)

Instrumentation & Control Concentration

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ELE492	Power Switching Devices	3	0	0	3	ELE305 ELE207
ELE491	Industrial Control systems	3	2	2	4	ELE307
ELE483	Computer Based Instrumentation and control	2	2	0	3	ELE313, ELE314
ELE488	Graduation Project I	1	4	0	3	ELE310
ELE489	Graduation Project II	1	4	0	3	ELE488

Specialization Required Courses & Graduation Projects (16 Cr. Hrs.)

Power & Renewable Energy Concentration

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ELE463	Renewable Energy Systems	3	2	0	4	ELE312
ELE464	Power System Analysis	3	0	0	3	ELE312
ELE477	Smart Grid Renewable Energy Systems	3	0	0	3	ELE463
ELE468	Graduation Project I	1	4	0	3	ELE310
ELE469	Graduation Project II	1	4	0	3	ELE468

Specialization Elective Courses (9 Cr. Hrs.)

Electronics & Communication Concentration

The student will take three of the following Specialization Electives as approved by the academic advisor. At least two of these courses must have the course code as 2114xxx or 2124xxx or 2164xxx. Advisor's approval is required if the third elective is not from the listed electives.

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ELE421	VLSI Design	3	0	0	3	ELE305, ELE202
ELE450	Digital Signal Processing	3	0	0	3	ELE204
ELE456	Telecommunication Systems	3	0	0	3	ELE302
ELE491	Industrial Control Systems	3	2	2	4	ELE307
ELE463	Renewable Energy Systems	3	2	0	4	ELE312
ELE436	Selected Topics in Electr. and Comm.	3	0	0	3	ELE305, ELE320
ELE437	Directed Study in Electr. And Comm.	3	0	0	3	ELE310, ELE302 + Approval

Specialization Elective Courses (9 Cr. Hrs.)

Instrumentation and Control Concentration

The student will take three of the following Specialization Electives as approved by the academic advisor. At least two of these courses must have the course code as 2144xxx. Advisor's approval is required if the third elective is not from the listed electives.

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ELE451	Communication & Switching Networks	3	2	0	4	ELE302
ELE480	Fuzzy Logic and Neural Networks	3	0	0	3	ELE202
ELE486	Biomedical Instrumentation	3	0	0	3	ELE313
ELE463	Renewable Energy Systems	3	2	0	4	ELE312
ELE470	Power System Protection and Control	3	0	0	3	ELE307, ELE312
ELE487	Selected Topics in Instrumentation & Control	3	0	0	3	ELE313
ELE490	Directed Study in Instrumentation & Control	3	0	0	3	ELE313 + Approval

Specialization Elective Courses (9 Cr. Hrs.)

Power & Renewable Energy Concentration

The student will take three of the following Specialization Electives as approved by the academic advisor. At least two of these courses must have the course code as 2154xxx. Advisor's approval is required if the third elective is not from the listed electives.

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ELE492	Power Switching Devices	3	0	0	3	ELE207, ELE305
ELE491	Industrial Control Systems	3	2	2	4	ELE307
ELE470	Power System Protection and Control	3	0	0	3	ELE312, ELE307
ELE471	Power Generation and Transmission	3	0	0	3	ELE312
ELE472	Electrical Power Distribution Systems	3	0	0	3	ELE312
ELE478	Selected Topics in Power & Renewable Energy	3	0	0	3	ELE463
ELE479	Directed Study in Power & Renewable Energy	3	0	0	3	ELE463 +Approval

Study Plan

FIRST YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ORN111	Orientation	**0**	1	--	--	---
ARB111	Communication Skills in Arabic Language	**3**	3	--	--	---
COM111	IT Fundamentals	**3**	2	2	--	---
MTH121	Engineering Mathematics I	**3**	3	--	2	---
PHY121	Engineering Physics I	**4**	3	2	2	---
CHE101	Chemistry for Engineers	**3**	2	2	--	---
ELE102	Introduction to Engineering	**1**	1	--	1	---
		17	15	6	5	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ISL114	Islamic Culture	**3**	3	--	1	---
ELE101	Computer Programming	**3**	3	--	2	COM111
MTH122	Engineering Mathematics II	**3**	3	--	2	MTH121
PHY122	Engineering Physics II	**4**	3	2	2	---
xxxxxxx	University Elective I	**3**	3	--	--	---
		16	15	2	7	

Summer Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ENV111	Environmental Sciences	**3**	3	--	--	---
xxxxxxx	University Elective II	**3**	3	--	--	---
		6	6	0	0	

SECOND YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
STA112	Statistics	**3**	2	2	--	---
ELE202	Logic Design	**4**	3	2	2	COM111
ELE206	Engineering Analysis	**3**	3	--	2	ELE101
ELE203	Circuit Analysis I	**4**	3	2	2	PHY122
MTH221	Engineering Mathematics III	**3**	3	--	2	MTH122
		17	14	6	8	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ELE205	Electronic Devices & Circuits I	**4**	3	2	2	ELE203
ELE204	Signals and Systems	**3**	3	--	2	MTH221
ELE207	Circuit Analysis II	**4**	3	2	2	ELE203
MTH222	Engineering Mathematics IV	**3**	3	--	2	MTH221
INN311	Innovation and Entrepreneurship	**3**	3	--	--	60 credit hours
		17	15	4	8	

THIRD YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ELE305	Electronic Devices & Circuits II	**4**	3	2	2	ELE205
ELE302	Principles of Communication	**4**	3	2	2	ELE204
ELE303	Electromagnetic Fields and Wave Propagation	**3**	3	--	2	PHY122 MTH221
ELE312	Power Systems and Electrical Machines	**4**	3	2	--	ELE207
ELE304	Probability and Random Variables	**3**	3	--	2	MYH122
		18	15	6	8	

Internal Training **(2 Weeks in Spring Break)**

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ELE310	Design with Integrated Circuits	**4**	3	2	--	ELE305
ELE307	Control Systems	**4**	3	2	2	ELE204
ELE313	Sensors and Instrumentation	**4**	3	2	--	ELE305 ELE206
ELE314	Microcontrollers and Applications	**4**	3	2	--	ELE101 ELE202
ELE301	Report Writing and Presentation	**3**	3	--	1	ELE102 + Junior Standing
		19	15	8	4	

ELE497: Engineering Training I **(6 Weeks in Summer)**

FINAL YEAR (ELECTRONICS & COMMUNICATION)

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ELE451	Communication & Switching Networks	**4**	3	2	--	ELE302
ELE425	Optoelectronics	**3**	3	--	--	ELE305 ELE303
ELE438	Graduation Project I	**3**	1	4	--	ELE310
ELEXXX	Technical Elective I	**3**	3	--	--	As Specified
ELE465	Senior Seminar	**1**	1	--	--	ELE301
		14	11	6	--	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ELE455	Wireless Communication	**3**	3	--	--	ELE302 ELE303
ELE439	Graduation Project II	**3**	1	4	--	ELE438
ELEXXX	Technical Elective II	**3**	3	--	--	As Specified
ELEXXX	Technical Elective III	**3**	3	--	--	As Specified
ELE410	Engineering Management	**3**	3	--	--	ELE301
		15	13	4	--	

ELE497: Engineering Training II (6 Weeks in Summer)

List of Technical Electives for Electronics & Communication Concentration:

The student will take three of the following Technical Electives. At least two of these electives must have the course code as 2114xxx/2124xxx/2164xxx. Approval of academic advisor is required if a student intends to take one 400 level technical elective outside the below list.

Code	Course Title	Cr. Hrs.	Pre-requisite(s)
ELE421	VLSI Design	3	ELE305, ELE202
ELE450	Digital Signal Processing	3	ELE204
ELE456	Telecommunication Systems	3	ELE302
ELE491	Industrial Control Systems	4	ELE307
ELE463	Renewable Energy Systems	4	ELE312
ELE436	Selected Topics in Electr. & Comm.	3	ELE305, ELE320
ELE437	Directed Study in Electr. & Comm.	3	ELE310, ELE302 + Approval

FINAL YEAR (INSTRUMENTATION AND CONTROL)

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ELE491	Industrial Control Systems	**4**	3	2	2	ELE307
ELE492	Power Switching Devices	3	3	--	--	ELE305 ELE207
ELE488	Graduation Project I	**3**	1	4	--	ELE310
ELEXXX	Technical Elective I	**3**	3	--	--	As specified
ELE465	Senior Seminar	**1**	1	--	--	ELE301
		14	11	6	2	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ELE483	Computer-Based Instrumentation and Control	**3**	2	2	--	ELE313 ELE314
ELE489	Graduation Project II	**3**	1	4	--	ELE488
ELEXXX	Technical Elective II	**3**	3	--	--	As specified
ELEXXX	Technical Elective III	**3**	3	--	--	As specified

ELE410	Engineering Management	**3**	3	--	--	ELE301
		15	12	6	--	

ELE497: Engineering Training II (6 Weeks in Summer)

List of Technical Electives for Instrumentation and Control:

The student will take three of the following Technical Electives. At least two of these electives must have the course code as 2144xxx. Approval of academic advisor is required if a student intends to take one 400 level technical elective outside the below list.

Code	Course Title	Cr. Hrs.	Pre-requisite(s)
ELE451	Communication & Switching Networks	4	ELE302
ELE480	Fuzzy Logic and Neural Networks	3	ELE202
ELE486	Biomedical Instrumentation	3	ELE313
ELE487	Selected Topics in Instrumentation & Control	3	ELE313
ELE490	Directed Study in Instrumentation & Control	3	ELE313 + Approval
ELE470	Power System Protection and Control	3	ELE307, ELE312
ELE463	Renewable Energy Systems	4	ELE312

FINAL YEAR (POWER AND RENEWABLE ENERGY)

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ELE463	Renewable Energy Systems	**4**	3	2	--	ELE312
ELE464	Power System Analysis	**3**	3	--	--	ELE312
ELE468	Graduation Project I	**3**	1	4	--	ELE310
ELEXXX	Technical Elective I	**3**	3	--	--	As specified
ELE465	Senior Seminar	**1**	1	--	--	ELE301
		14	11	6	--	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ELE477	Smart Grid Renewable Energy Systems	**3**	3	--	--	ELE463
ELE469	Graduation Project II	**3**	1	4	--	ELE468
ELEXXX	Technical Elective II	**3**	3	--	--	As specified
ELEXXX	Technical Elective III	**3**	3	--	--	As specified
ELE410	Engineering Management	**3**	3	--	--	ELE301
		15	13	4	--	

ELE497: ENGINEERING TRAINING II (6 Weeks in Summer)

List of Technical Electives for Power & Renewable Energy:

The student will take three of the following Technical Electives. At least two of these electives must have the course code as 2154xxx. Approval of academic advisor is required if a student intends to take one 400 level technical elective outside the below list.

Code	Course Title	Cr. Hrs.	Pre-requisite(s)
ELE492	Power Switching Devices	3	ELE207, ELE305
ELE491	Industrial Control Systems	4	ELE307
ELE470	Power System Protection and Control	3	ELE312, ELE307
ELE471	Power Generation and Transmission	3	ELE312
ELE472	Electrical Power Distribution Systems	3	ELE312
ELE478	Selected Topics in Power & Renewable Energy	3	ELE463
ELE479	Directed Study in Power & Renewable Energy	3	ELE463 +Approval

MINOR IN ELECTRICAL ENGINEERING

The Minor in Electrical Engineering is offered to undergraduate students enrolled in either Biomedical Engineering or Computer Engineering programs offered by AU. There are some basic core courses that are common between these three programs. Having taken these basic core courses in their own programs, students majoring in the Biomedical and Computer Engineering programs will have the required foundation to expand their knowledge and skills in Electrical Engineering by taking some important courses in this discipline, thus enabling them to get a Minor in Electrical Engineering. The courses in the study plan of Minor in Electrical Engineering are designed such that students taking this Minor will not have to take any additional course just for the sake of meeting the pre-requisite requirements.

Study Plan

The specified courses for Minor in Electrical Engineering are given in the following table. These courses were selected after considering the study plans of Biomedical Engineering (BME) and Computer Engineering (CE) programs at AU to ensure that students of these two programs have the required pre-requisite courses to take the courses needed for obtaining Minor in Electrical Engineering.

Course ID	Course Title	Credit Hrs. (Th, Lab)	Pre-requisite(s)
ELE207	Circuit Analysis II	4 (3,2)	Circuit Analysis I (ELE203) Engineering Mathematics III (MTH221)
ELE206	Engineering Analysis	3 (3,0)	Computer Programming (ELE101)
ELE302 OR ELE307	Principles of Communication OR Control Systems	4 (3,2)	Signals and Systems (ELE204)
ELE305	Electronic Devices and Circuits II	4 (3,2)	Electronic Devices and Circuits I (ELE205)
ELE312	Power Systems and Electrical Machines	3 (3,0)	Circuit Analysis II (ELE207)

Admission and Completion Requirements

The requirements for a Minor in Electrical Engineering are presented in the following.

1. Only the registered students of Biomedical and Computer Engineering programs at AU can apply for Minor in Electrical Engineering.
2. For a student to be accepted for Minor in Electrical Engineering, his/her cumulative GPA at the time of application must be at least 2.0.
3. The student will be enrolled for Minor in Electrical Engineering after obtaining approval from the advisor, Head of the Electrical & Computer Engineering Department, and the Head of Biomedical Engineering Department as well as the Director of Admission and Registration.
4. The students accepted for Minor in Electrical Engineering must successfully complete five specified courses (18 credit hours as given below) with a minimum CGPA of 2.0 in these courses.

COURSE CATALOG

ELE205 Electronic Devices & Circuits I (Lec-Lab-Credit Hrs) (3-2-4)

Basic properties of semiconductor materials. Theory of operation and applications of p-n junction diodes, zener diodes and photodiodes. Theory of operation, biasing circuits, and small signal analysis of Bipolar Junction Transistor and Junction Field Effect Transistor. Transistor configurations and two-port network representation of transistor a.c. equivalent circuits. Analysis and design of transistor amplifier circuits.
Prerequisite: ELE203

ELE305 Electronic Devices and Circuits II (3-2-4)

Operational amplifiers and their applications. MOSFETs: theory of operation and characteristics of depletion and enhancement type MOSFETs, analysis of various biasing circuits. Small-signal model and AC analysis of amplifiers. Frequency response of amplifiers. Multistage amplifiers. Feedback amplifiers and oscillator circuits. Power amplifiers.
Prerequisite: ELE205

ELE310 Design with Integrated Circuits (3-2-4)

A review of Op-Amps and Digital IC families. Design of analog signal conditioning circuits. Design of power supplies using IC regulators. Op-amp applications. Design of systems for measuring and displaying the measured values on LEDs. Applications of ADC, DAC, and counter ICs. Optoisolators, triacs, and control of high-voltage systems and actuators. Design of signal generators. Applications of commonly used ICs such as VCO, PLL, Timer IC, F/V and V/F ICs.
Prerequisite: ELE305

ELE421 VLSI Design (3-0-3)

Introduction to VLSI design. Review of basic logic gates in CMOS. Integrated circuit layers, sheet resistance, time delay, CMOS layers, designing FET arrays, stick diagrams, layouts of CMOS circuits. Fabrication of CMOS ICs. Design rules, physical limitations. Advanced techniques in CMOS logic circuits. General VLSI system components. Floor-planning and routing. DRAM, SRAM, ROM designs. Computer simulation using VHDL or Verilog.
Prerequisites: ELE305, ELE202

ELE425 Optoelectronics (3-0-3)

Fundamental concepts of semiconductors optical properties. Characteristics and classification of detectors. Radiation sources, classification of radiation sources. Population inversion and gain in a two-level lasing medium. Optical feedback and laser cavity. P-N junction laser operating principles, threshold current, Hetero-junction lasers, Quantum well lasers, device fabrication and fiber coupling. Optical fibers and design of optical systems.
Prerequisites: ELE305, ELE303

ELE204 Signals and Systems (3-0-3)

Continuous- and discrete-time signals and systems. Basic system properties. Linear Time-Invariant (LTI) systems. Properties of LTI systems. Convolution sum. Fourier series of periodic

signals. Fourier transform of non-periodic signals. Filtering. Analysis of continuous-time LTI systems using Laplace transform.
Prerequisite: MTH221

ELE302 Principles of Communication (3-2-4)

Introduction to fundamentals of communication systems. Amplitude Modulation (AM): Modulation index, spectrum of AM signals, AM circuits. Single side band modulation, frequency division multiplexing. Frequency Modulation (FM): Spectrum of FM signals, FM circuits. FM versus AM. Sampling, quantization, coding, pulse code modulation, delta modulation, time division multiplexing. Shift Keying methods.
Prerequisite: ELE204

ELE303 Electromagnetic Fields and Wave Propagation (3-0-3)

Electrostatics: Coulomb's Law, Gauss's Law. Electric fields in material space, Polarization in Dielectrics. Ampere's Law, Stoke's Theorem. Time-varying Fields, Faraday's Law, Maxwell's Equations in point form, Maxwell's equations in integral form, boundary conditions. Wave equation, plane wave propagation, Poynting vector and average power. Transmission line theory, reflection and transmission on transmission lines.
Prerequisites: PHY122, MTH221

ELE450 Digital Signal Processing (3-0-3)

Review of discrete-time signals and systems. Transform-domain representations of signals: Discrete-time Fourier Transform, Fast-Fourier Transform, applications of Z-Transform. Transform-domain representations of LTI systems: Types of transfer functions, stability condition and test. Frequency response of a Rational Transfer Function. The difference equation and Digital Filtering. Concept of filtering: Finite Impulse Response (FIR) and Infinite Impulse Response (IIR) Filters.
Prerequisite:ELE204

ELE451 Communication & Switching Networks (3-2-4)

Introduction to computer networks, protocol architecture and OSI reference model. Local Area Network (LAN): Topologies and transmission media. high-speed LAN. Token-Ring, FDDI. Circuit switching and packet switching, ISDN, DSL, packet switching network, X.25, frame relay, ATM. Internetworking devices. UDP, TCP architecture, Internet protocols, TCP/IP. Application Layer: Client-server model, socket interface, SMTP, FTP, HTTP, and WWW. Wireless Networking.
Prerequisite: ELE302

ELE456 Telecommunication Systems (3-0-3)

Introduction to telecommunication systems. Telecommunication fundamentals and transmission media characteristics. Design analog and digital data transmission schemes. Telephony systems: ISDN and PSTN, essentials of traffic engineering. Overview of Wireless LAN technology. Comparison of ZigBee with other standards and applications. Introduction to satellite and fiber optic based communications.
Prerequisite: ELE302

ELE455 Wireless Communications (3-0-3)

Introduction to cellular mobile radio systems: Cellular-concept system design fundamentals, trunking and grade of service. Mobile channel, large scale and small-scale fading. Outdoor propagation models. Multiple access techniques for mobile communication. Modern wireless communication systems: Second-generation (2G) cellular networks, Third-Generation (3G) and Fourth Generation (4G) wireless systems.

Prerequisites: ELE302, ELE303

ELE101 Computer Programming (3-0-3)

Problem solving using flowcharts, structure of a C++ program, data types, operators, variables and constants. Input and output, output formatting. Control Statements: IF and SWITCH, WHILE, DO-WHILE and FOR statements. Function definition and calling, library functions, arrays and strings, pointers. File input and output.

Prerequisite: COM111

ELE202 Logic Design (3-2-4)

Basic theorems and properties of Boolean Algebra and Boolean functions. Simplification of Boolean functions: Karnaugh Map and Tabulation Method. Product of Sums (POS) and Sum of Products (SOP) forms. Combinational logic circuits: Design and analysis procedures. Decoders, encoders, multiplexers, demultiplexers, ROM, PLA and PAL. Sequential logic circuits: Flip Flops (RS, D, JK, T), design procedure for clocked sequential circuits, counters. Registers and shift registers.

Prerequisite: COM111

ELE206 Engineering Analysis (3-0-3)

Developing C++ programs to solve electrical engineering problems. MATLAB programming environment, vectors and matrices, input/output, M-files: scripts and functions, control statements. Plotting with MATLAB. GUI in MATLAB. Introduction to SIMULINK. Electrical system modeling via SIMULINK. Introduction to LabVIEW. Development of Virtual Instruments using LabVIEW.

Prerequisite: ELE101

ELE314 Microcontrollers and Applications (3-2-4)

Introduction to microprocessor and its internal architecture. Typical microprocessor bus systems. Addressing modes and address decoding. Memory and I/O interface. Assembly language programming. Microcontrollers and embedded systems. Programming of microcontroller using C language. Interrupt processing and interrupt-based control. Microcontroller interfacing to real-world applications. Design and implementation of course projects using a microcontroller.

Prerequisites: ELE101, ELE202

ELE307 Control Systems (3-2-4)

Introduction to Control Systems: Characteristics, time response, steady-state error. Open loop and closed loop concepts, transfer function, time domain, frequency domain, stability of linear feedback control systems, Root Locus method, Bode diagram. Design of feedback control

systems: Principles of design, design with the PD, PI, and PID controllers. Performance evaluation of feedback control systems. Compensation: phase-lead, phase-lag and lead-lag compensation.
Prerequisite: ELE204

ELE313 Sensors and Instrumentation (3-2-4)

Basic measurement concepts, sources and types of measurement errors, sources of noise and interference and how to minimize them. Analysis and design of DC and AC bridge circuits and their applications. Operating principles and specifications of DVM and DMM. Transducers and their applications in measurement systems. Operation analysis of electromagnetic sensors for flux, current and position sensing. Oscilloscopes: types, specifications, operation and measurements. Analyzers: types, architecture and the optimal tuning. Design projects related to different types of measuring instruments
Prerequisites: ELE305, ELE206

ELE492 Power Switching Devices (3-0-3)

Introduction to power electronics devices, power transistors, IGBTs and SITs. Thyristors: characteristics, types, models, operations, thyristor commutation techniques and commutation circuit design. Analysis and design of uncontrolled and controlled rectifiers. AC voltage controllers with resistive and inductive load. DC choppers: principles and classifications. Principles of operation and performance parameters of different types of inverters. DC and AC drives. Power system applications.
Prerequisite: ELE305, ELE207

ELE491 Industrial Control Systems (3-2-4)

Industrial control principles. Block diagram representation of industrial control systems. Application of analog and digital signal conditioning in industrial control. Thermal, optical, displacement, position, strain, motion, pressure, and flow sensors used in industrial control. Actuators in industrial control. Data Logging, Supervisory Control, Computer-based Controllers. Programmable Logic Controllers (PLCs). Sequential programming, Ladder diagrams. Introduction to Process Control Systems. Foundation Fieldbus and Profibus standards.
Prerequisite: ELE307

ELE483 Computer-Based Instrumentation and Control (2-2-3)

Introduction to PC-based instrumentation and control. Explanation of standard bus types: ISA, EISA, PCI, PXI busses. IEEE 488 (GPIB) and RS-232 standards. Hardware and software interrupts, programmable interrupt controllers, interrupt service routines, DMA control and DMA controllers. Parallel Port interfacing. Serial Port Interfacing. USB Port interfacing. Data acquisition and control using plug-in cards. Development of virtual instruments using LabVIEW, remote data transmission and control, telemetry. Applications for a variety of measurements involving different kinds of sensors/transducers.
Prerequisite: ELE313, ELE314

ELE480 Fuzzy Logic and Neural Networks (3-0-3)

An introduction to Fuzzy Logic and Neural Networks history, applications, and implementations. Fuzzy logic fundamentals, fuzzy sets, types of membership functions, linguistic variables, creation of fuzzy logic rule base, fuzzy logic operations. Fuzzy inference system. Neural network fundamentals, neural type learning process, single layer perceptron. Artificial neural networks architectures, training algorithms, genetic algorithms and evolution computing, neuro-fuzzy technology, fuzzy control systems and applications. Associative memory Hopfield neural networks.

Prerequisite: ELE202

ELE486 Biomedical Instrumentation (3-0-3)

Biomedical sensors and transducers. Biopotential amplifiers, pre-amplifier circuits, instrumentation amplifier, isolation amplifiers, surge protection, input guarding, filters and signal conditioning circuits. Physiological recording systems ECG, EMG, EEG, ERG, etc. Blood pressure and its measurement. Pace-makers and Defibrillators. Clinical laboratory instrumentation.

Prerequisite: ELE313

ELE487 Selected Topics in Instrumentation and Control (3-0-3)

Topics of current interest in Instrumentation and Control as selected by the faculty and approved by the EE Department. The course is tailored according to market demands and the technology directions.

Prerequisite: ELE313

ELE490 Directed Study in Instrumentation and Control (3-0-3)

Directed study in Instrumentation and Control is conducted under the supervision of a faculty member. A student interested to undertake such a study shall submit a proposal outlining the description of the work to be performed with clearly defined objectives and intended outcomes. The study may include experimental investigation, computer simulation or completely theoretical research. The proposal must be approved by the concerned faculty and the Head of EE Department.

Prerequisites: ELE313, Advisor's Approval

ELE203 Circuit Analysis I (3-2-4)

Basic quantities: charge, current, voltage, resistance, energy and power. Analysis of series, parallel and series-parallel D.C. resistive circuits using Ohm's law, Kirchhoff's voltage and current laws. Star-Delta and Delta-Star Transformations. Analysis of more resistive circuits using loop and nodal methods, superposition, source transformation, Thevenin's and Norton theorems, maximum power transfer theorem. Transient analyses of RC, RL, and RLC circuits with DC excitation.

Prerequisites: PHY122

ELE207 Circuit Analysis II (3-2-4)

AC circuits: impedance and admittance, phasors and phasor diagrams, series and parallel circuits, power and power factor correction. Steady-state response using phasor method. Nodal and loop analysis, application of circuit theorems. Steady-state power analysis. Magnetically-coupled

circuits. Analysis of balanced three-phase circuits. Frequency response of simple circuits. Series and parallel resonance.
Prerequisites: ELE203

ELE312 Power Systems and Electrical Machines (3-2-4)

Introduction to power systems. Control of reactive power, voltage and frequency. Contemporary issues related to electrical energy. Basics of power system protection. Principles of DC and AC machines and their types. Ideal and practical transformer. Voltage regulation and efficiency of transformer.
Prerequisites: ELE207

ELE470 Power System Protection and Control (3-0-3)

An overview of electric industry structure, modern power system, system protection and energy control center. Introduction to power system apparatus: power transforms, circuit breakers, CTs, VTs, CCVTs and line trap. Primary and backup protection of transmission lines. Protection of transformers and busbars. Protection schemes for rotating machinery. Operation, algorithms and advantages of digital relays. Techniques for voltage and frequency control of power systems.
Prerequisites: ELE307, ELE312

ELE471 Power Generation and Transmission (3-0-3)

Introduction to different types of conventional power plants for generation of power. Operating principles of steam power plants, hydroelectric power plants, hydro turbines, hydro generators, gas-turbine plant, gas-power plant and combined-cycle gas-power plant. Comparison of different transmission line insulators. String efficiency and its improvement. Calculations for sag and tension in designing a transmission line. Classification and comparison of underground cables.
Prerequisite: ELE312

ELE463 Renewable Energy Systems (3-2-4)

Introduction to renewable energy sources. Electrical characteristics and performance evaluation of PV cells, modules, panels and arrays. Optimization of PV arrays. Design of a stand-alone PV system with battery storage. Wind energy conversion systems, sizing and site matching. Hydro generation and types of hydropower turbines. Solar thermal and ocean thermal energy conversion. Tidal energy, wave power generation, geothermal and biomass energy systems. Types of energy storage systems.
Prerequisite: ELE312

ELE477 Smart Grid Renewable Energy Systems (3-0-3)

Basic concept of electric power grid. Types and equipment at grid stations. Grid station automation. Fundamental concepts of power grid integration on microgrids of renewable energy sources. Modeling converters in microgrids. Smart meters and monitoring systems. Design of PV microgrid generating station. Microgrid wind energy systems.
Prerequisite: ELE463

ELE464 Power System Analysis (3-0-3)

Explanation of Per Unit system and determination of the equivalent circuits of synchronous generator and three-phase power transformers. Parameters of transmission lines. The equivalent circuit models of transmission lines. Power flow analysis. Analyzing symmetrical and unsymmetrical faults in power system. Stability of power systems.

Prerequisite: ELE312

ELE472 Electrical Power Distribution Systems (3-0-3)

Introduction to electrical power distribution. Power distribution equipment, underground distribution, radial, ring and network distribution systems. Conductors and insulators in power distribution systems. Electrical distribution inside buildings. Analyzing single phase and three phase power distribution systems. Measurement equipment for distribution systems. Discussion of various distribution system considerations. Design of a power distribution system for a small building.

Prerequisite: ELE312

ELE478 Selected Topics in Power & Renewable Energy (3-0-3)

Topics of current interest in Power & Renewable Energy as selected by the faculty and approved by the EE Department. The course is tailored according to market demands and the technology directions.

Prerequisite: ELE463

ELE479 Directed Study in Power & Renewable Energy (3-0-3)

Directed study in Power & Renewable Energy is conducted under the supervision of a faculty member. A student interested to undertake such a study shall submit a proposal outlining the description of the work to be performed with clearly defined objectives and intended outcomes. The study may include experimental investigation, computer simulation or completely theoretical research. The proposal must be approved by the concerned faculty and Head of the EE Department.

Prerequisites: ELE463, Advisor's Approval

ELE436 Selected Topics in Electr. and Comm. (3-0-3)

Topics of current interest in Electronics and Communication as selected by the faculty and approved by the EE Department. The course is tailored according to market demands and the technology directions.

Prerequisites: ELE305, ELE302

ELE437 Directed Study in Electr. and Comm. (3-0-3)

Directed study in Electronics and Communication is conducted under the supervision of a faculty member. A student interested to undertake such a study shall submit a proposal outlining the description of the work to be performed with clearly defined objectives and intended outcomes. The study may include experimental investigation, computer simulation or completely theoretical research. The proposal must be approved by the concerned faculty and Head of the EE Department.

Prerequisites: ELE302, ELE310, Advisor's Approval

MTH121 Engineering Mathematics I (3-0-3)

Limits of functions, theorems about limits, evaluation of limit at a point and infinity, continuity. Derivatives of algebraic and trigonometric functions, maxima and minima, engineering applications of derivatives. The definite and indefinite integrals and their applications. Integration by parts, Integration using powers of trigonometric functions, Integration using trigonometric substitution, Integration by partial fractions. Integration of improper integrals. Transcendental Functions.

Prerequisite: None

MTH122 Engineering Mathematics II (3-0-3)

Matrix addition, subtraction, multiplication and transposition. Complex numbers, algebraic properties of complex numbers, absolute values, complex conjugate, polar representation, powers and roots. Functions of several variables. Double and triple integrals in rectangular and polar coordinates. Applications of multiple integrals in engineering. Infinite sequences, tests for convergence, power series expansion of functions, Taylor series, Laurent series, Fourier series and their applications in engineering.

Prerequisite: MTH121

PHY121 Engineering Physics I (3-2-4)

Vectors, motion, and Newton's laws. Work, energy, momentum and conservation of momentum. Rotation of rigid bodies, dynamics of rotational motion. Equilibrium and elasticity. Stress and strain. Periodic motion. Engineering applications.

Prerequisite: None

PHY122 Engineering Physics II (3-2-4)

Electric charge and electric field. Coulomb's law and Gauss's law with applications. Capacitance and dielectrics. DC circuits. Magnetic fields. Ampere's law and its applications. Electromagnetic induction, Faraday's law, Lenz's law, induced electric fields. Self- and mutual-inductance. Electromagnetic waves and Maxwell's equations. Optics and its engineering applications.

Prerequisite: None

CHE101 Chemistry for Engineers (2-2-3)

Atoms, molecules, ions and formulas of ionic compounds. Electronic structure and the periodic table. Quantum numbers, energy levels and orbital. Orbital diagrams of atoms. Various types of bonds. Chemistry of the metals and semiconductors. Introduction to organic chemistry, bonding and types of hybridization in carbon atom, alkanes and cyclo alkanes, alkyl and halogen substituents. Alkenes and alkynes, Diels-Alder reaction. Types, properties, and use of polymers.

Prerequisite: None

ELE102 Introduction to Engineering (1-0-1)

Engineering profession and the role of engineers in modern developments, engineering ethics. Various engineering disciplines with special emphasis on electrical engineering. Importance of

math and science to engineers. Engineering design and analysis, lab skills for engineers, computer skills for engineers. Electrical Engineering curriculum, curriculum planning and management. Critical thinking, soft skills for engineers, creativity, communication skills. Case studies on engineering ethics.
Prerequisite: None

MTH221 Engineering Mathematics III (3-0-3)

Vector Calculus and its engineering applications. First order differential equations. Homogeneous linear second-order differential equations with constant and variable coefficients, non-homogeneous linear second-order differential equations with constant coefficients, higher-order linear differential equations with constant coefficients. Power series solution of differential equations. Laplace Transform, Inverse Laplace Transform. Application of Laplace Transform to solve ordinary differential equations. Introduction to partial differential equations (PDEs), first order PDEs, second order PDEs, boundary value problems, engineering applications.
Prerequisite: MTH122

MTH222 Engineering Mathematics IV (3-0-3)

Linear Algebra: Matrices and determinants, solution of systems of linear equations, eigenvalues and eigenvectors, engineering applications, computer exercises. Complex Analysis: Complex functions, derivative of complex functions, analytic functions, Cauchy-Riemann equations, harmonic functions. Fourier analysis: Fourier Series, Fourier Integrals, Fourier series of even and odd functions with applications. Discrete Mathematics and its engineering applications.
Prerequisite: MTH221

ELE301 Report Writing and Presentation (3-0-3)

Writing of technical reports, brief reports, and progress reports. Business communication: business letters and memos, executive summary, business reports. Oral presentation: planning, preparation of visuals, and delivering of an oral presentation.

Prerequisites: ELE102 + Junior Standing

ELE304 Probability and Random Variables (3-0-3)

Concept of Probability. Discrete and continuous random variables. Operations on single random variable: Expected values and moments. Joint cumulative distribution function and joint probability density function. Sum of random variables. Independent random variables. Jointly Gaussian random variables. Definition and classification of random process, transmission of random process through linear filters, and optimum filtering. Applications in signal processing and communication systems.
Prerequisite: MTH122

ELE410 Engineering Management (3-0-3)

Introduction to engineering management and role of effective management. Strategic and operational planning, forecasting, action planning. Organization: activities, organizational structures, delegating, establishing working relationships. Basics of leadership. Controlling activities: setting standards, measuring, evaluating, and improving performance. Marketing

Management: marketing process and strategies, pricing, promotion strategy, channels of distribution and types of distribution.
Prerequisite: ELE301

ELE438, ELE488, ELE468	**Graduation Project I**	**(1-4-3)**

Teams of 3-4 students shall design, implement, test, and demonstrate their graduation project in two semesters. Graduation Project I is to be completed in first semester and it includes literature survey, action plan, design of complete project taking into account realistic constraints, computer simulation (if applicable), partial implementation and testing. Report writing and oral presentation.
Prerequisite: ELE310

ELE439, ELE489, ELE469	**Graduation Project II**	**(1-4-3)**

It is a continuation of Graduation Project I in the second semester. Students will complete the implementation and testing of the remaining part of their design. They will integrate the complete project, test it, and prepare a PCB. Report writing, oral presentation, poster presentation, and project demonstration.
Prerequisite: ELE438, ELE488, ELE468

ELE465	**Senior Seminar**	**(1-0-1)**

The course aims to develop students' understanding of contemporary issues as well as the impact of engineering solutions in a global, economic, environmental, and societal context. It will also improve their oral presentation skills.
Prerequisite: ELE301

ELE497	**Engineering Training**	**-**

To expose students to a learning environment where they can apply what they have learned in the classroom to a professional setting and enhance their abilities to correlate theoretical knowledge with professional practice. Prior to starting their external training, students shall take two weeks intensive internal training to prepare them for external training.
Prerequisite: Completion of 75 credit hours.

Bachelor of Science in Computer Engineering

Introduction

The Department of Electrical and Computer Engineering offers a B.Sc. degree in Computer Engineering accredited by the Ministry of Education/Higher Education Affairs. The program is designed so that students have a balanced background in computer hardware, software, and networking technology. The curriculum includes general and specialized courses, field practical internship, and senior graduation projects. The program enables graduates to be competitive in the marketplace and can pursue graduate studies.

Mission

The mission of the Computer Engineering program is to:

- Produce computer engineers who are able to apply the theories and principles of science and mathematics to the design of computer hardware, software and networks in the emerging engineering and IT fields.
- Produce computer engineers capable of building prototypes, working both with hardware and software aspects of systems design and development.
- Prepare students for professional careers and to pursue advanced studies in Computer Engineering.

Program Educational Objectives

Within few years of graduation, the computer engineering program graduates would accomplish the following PEOs:

PEO_1. Use their acquired skills and knowledge in Computer Engineering to pursue a productive career in any Computer Engineering related field.

PEO_2. Act as an effective individuals independently, in-teams or as leaders who can address Computer Engineering related technical problems with understanding of professional ethics

PEO_3. Demonstrate life-long learning and continuous professional development”

Program Learning Outcomes (PLO’s)

On successful program completion, graduates are able to:

- Design and implement digital circuits and systems.
- Analyze and explain the organization and interaction among various parts of a computer system.
- Develop a software component and implement it using a programming language.
- Describe how computers communicate in a network.
- Demonstrate skills in implementing client/server based local area networks.
- Identify information and networks security threats and select appropriate countermeasures.
- Communicate and explain a solution to a technical problem orally and in writing.
- Search for information and acquire knowledge independently.
- Demonstrate general education knowledge in diverse fields

- Demonstrate ethical and professional behavior in engineering and information technology environments.
- Demonstrate specialized knowledge in math, engineering and IT related area.
- Function independently and as an effective member of a team.

Program Learning Outcomes and Alignment to UAE Qualification Framework (UAEQF)

Program Outcome	UAEQF Strands
PLO1: Design and implement digital circuits and systems.	Skills
PLO2: Analyze and explain the organization and interaction among various parts of a computer system.	Knowledge Skills
PLO3: Develop a software component and implement it using a programming language.	Skills
PLO4: Describe how computers communicate in a network.	Knowledge Skills
PLO5: Demonstrate skills in implementing client/server based local area networks.	Skills
PLO6: Identify information and networks security threats and select appropriate countermeasures.	Knowledge Skills
PLO7: Communicate and explain a solution to a technical problem orally and in writing.	Skills
PLO8: Search for information and acquire knowledge independently.	Self-Development
PLO9: Demonstrate general education knowledge in diverse fields	Knowledge
PLO10: Demonstrate ethical and professional behavior in engineering and information technology environments.	Autonomy & Responsibility Role in Context
PLO11: Demonstrate specialized knowledge in math, engineering and IT related area.	Knowledge Skills
PLO12: Function independently and as an effective member of a team.	Autonomy & Responsibility Role in Context

Admission Requirements

The normal entry requirements for applicants are the UAE secondary certificate (Grade 12), with a minimum overall score of 70% (scientific section) or an equivalent qualification certified by the Ministry of Education, UAE. For further information, please refer to the university admissions policy.

Career Opportunities

Graduates of the computer engineering program can work in a wide range of industries and services, including but not limited to the following:

- Industries engaged in the field of computer hardware and software development.
- Companies operating in the area of information systems and computer networks.

- Computer services of public administration.

Graduation requirements

Students at Ajman University (AU) are eligible for a Bachelor Degree in Computer Engineering after completion of 140 credit hours.

Degree requirement

The B.Sc. degree in Computer Engineering requires the completion of 140 Credit Hours distributed according to the following plan:

Type of Courses	Credit hours
1. University General Education Courses	
(a) University Required Courses	18
(b) University Elective Courses	6
2. Major Requirements	
(a) Major General Education Requirements	6
(b) Major Compulsory Courses	94
(c) Internship	4
(d) Major Electives	12
Total Credit Hours	140

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

(a) University Required Courses (18 Cr. Hrs.)

Course No.	Course Title	Th	Lab	Tut	Cr. Hrs	Prerequisite
ORN111	Orientation	1	0	0	0	-
ISL114	Islamic Culture	3	0	1	3	-
ARB111	Communication Skills in Arabic Language	3	0	0	3	-
STA112	Statistics	2	2	0	3	-
ENV111	Environmental Sciences	3	0	0	3	-
COM111	IT Fundamentals	2	2	0	3	-
INN311	Innovation and Entrepreneurship	2	2	0	3	-

(b)University Electives (Humanities or Arts) (3 Cr.Hrs.)

Course No.	Course Title	Th	Lab	Tut	Cr. Hrs	Prerequisite
LAW211	Legal Culture	3	0	0	3	-
ART111	Introduction to Art	3	0	0	3	-
ART211	Introduction to Digital Photography	3	0	0	3	-

ART112	Introduction to Aesthetics	3	0	0	3	-
FRE211	French Language	3	0	0	3	-
ARB113	The Art of Written Expression	3	0	0	3	-
ENG113	Academic Writing	3	0	0	3	-
ENG211	The Art of public Speaking	3	0	0	3	-
ISL211	Introduction to Hadeeth and Sunna	3	0	0	3	-

(c)University Electives (Social Behavioral Sciences) (3 Cr.Hrs.)

Course No.	Course Title	Th	Lab	Tut	Cr. Hrs	Prerequisite
ECO211	Economic Concepts	3	0	0	3	-
EMS111	Emirates Society	3	0	0	3	-
PSY111	General Psychology	3	0	0	3	-
ENG111	English Communication Skills	3	0	0	3	-
SOC112	Communication Between Cultures	3	0	0	3	-
INF113	Library Information System	3	0	0	3	-
THI211	Critical and Analytical Thinking	3	0	0	3	-

MAJOR REQUIREMENTS

(a) Major General Education Courses (6 Cr. Hrs.)

No.	Course No.	Course Title	Th	Lab	Tut	Cr. Hrs	Prerequisite
1	MTH121	Engineering Mathematics I	3	0	2	3	-
2	MTH122	Engineering Mathematics II	3	0	2	3	MTH121

(b) Major Requirements - College Courses (73 Cr. Hrs.)

No.	Course No.	Course Title	Th	Lab	Tut	Cr. Hrs	Prerequisite
1	COE112	Computer Programming	2	2	0	3	COM111
2	COE112	Programming for Engineers	2	2	0	3	COE112
3	COE215	Circuit Analysis	3	2	2	4	MTH121, PHY122
4	COE242	Digital Logic Design	3	2	2	4	COM111
5	COE246	Computer Organization & Architecture	3	0	0	3	COE242
6	COE251	Electronics I	3	2	2	4	COE215
7	COE303	Electronics II	2	2	0	3	COE251
8	COE321	Digital System Design	3	2	0	4	COE242
9	COE322	Instrumentation & Measurements	2	2	0	3	COE251

10	COE348	Microprocessor Systems	3	2	0	4	COE246
11	COE349	Embedded Systems	3	2	0	4	COE348
12	COE431	Project I	1	4	0	3	90 Cr. Hrs.
13	COE432	Project II	1	4	0	3	COE431
14	COE440	Digital Integrated Circuits	3	0	2	3	COE251, COE242
15	COE446	Engineering Ethics	1	0	0	1	70 Cr. Hrs.
16	INT202	Discrete Mathematics	3	0	0	3	MTH121
17	INT204	Data Structures and Algorithms	3	0	0	3	COE211
18	INT205	Fundamentals of Data Communications & Networking	2	2	0	3	COM111& 40 Cr. Hrs
19	INT301	Operating Systems	2	2	0	3	COE246
20	INT302	Database Management Systems	2	2	0	3	COE211
21	INT303	Fundamentals of Information security	3	0	0	3	INT205
22	INT305	Fundamentals of Software Engineering	2	2	0	3	INT204
23	INT311	Advanced Computer Networks	2	2	0	3	INT205

(c) Major Requirements - Internship (4 Cr. Hrs.)

No.	Course No.	Course Title	Th	Lab	Tut	Cr. Hrs	Prerequisite
1	COE400	Computer Engineering Internship	-	-	-	4	106 Cr. Hrs

(d) Major Requirements – courses offered by other colleges (21 Cr. Hrs.)

No.	Course No.	Course Title	Th	Lab	Tut	Cr. Hrs	Prerequisite
1	ELE204	Signals & Systems	3	0	2	3	MTH221
2	ELE302	Principles of Communication	3	2	2	4	ELE204
3	PHY121	Engineering Physics I	3	2	2	4	-
4	PHY122	Engineering Physics II	3	2	2	4	-
5	MTH221	Engineering Mathematics III	3	0	2	3	MTH122
6	MTH222	Engineering Math. IV	2	2	0	3	MTH221

(e) Major Electives - Any four courses (12 Cr.Hrs.)

No.	Course No.	Course Title	Th	Lab	Tut	Cr. Hrs	Prerequisite
1	ELE450	Digital Signal Processing	3	0	0	3	ELE204
2	COE430	Selected Topics in Computer Engineering	3	0	0	3	70 Cr. Hrs.
3	INT304	Human Computer Interaction	2	2	0	3	COE211

4	INT206	Fundamentals of Web Systems	2	2	0	3	COE112
5	INT307	Information Tech. Project Management	2	2	0	3	INT305
6	INT309	Cloud Computing	3	0	0	3	INT302
7	INT312	Network Security	2	2	0	3	INT303
8	INT406	Computer Modeling and Simulation	2	2	0	3	70 Cr. Hrs
9	INT411	Network Design and Implementation	2	2	0	3	INT311
10	INT412	Wireless and Mobile Computing	2	2	0	3	INT312
11	INT415	Network Management	2	2	0	3	INT311
12	INT429	Mobile Applications	2	2	0	3	INT301, INT302
13	INT423	Advanced Database Design and Implementation.	2	2	0	3	INT302

Course Sequencing Plan

FIRST SEMESTER

Course No.	Course Title		Contact Hours			Prerequisite
		Th	Lab	Tut	Cr. Hrs.	
ORN111	Orientation \CS*	1	0	0	0	-
ARB111	Communication Skills in Arabic Language	3	0	0	3	-
COM111	Computer Applications	2	2	0	3	-
ENV111	Environmental Sciences	3	0	0	3	-
MTH121	Engineering Mathematics I	3	0	2	3	-
PHY121	Engineering Physics I	3	2	2	4	-
Total		14	4	4	16	

* Non-credit course

SECOND SEMESTER

Course No.	Course Title		Contact Hours			Prerequisite
		Th	Lab	Tut	Cr. Hrs.	
ISL114	Islamic Culture	3	0	1	3	-
STA112	Statistics	2	2	0	3	-
MTH122	Engineering Mathematics II	3	0	2	3	MTH121
PHY122	Engineering Physics II	3	2	2	4	-
xxxxxx	University Elective I	3	0	0	3	-
Total		14	4	5	16	

THIRD SEMESTER

Course No.	Course Title		Contact Hours			Prerequisite
		Th	Lab	Tut	Cr. Hrs.	
MTH221	Engineering Mathematics III	3	0	2	3	MTH122
COE215	Circuit Analysis	3	2	2	4	PHY122, MTH121
COE112	Computer Programming	2	2	0	3	COM111
INT202	Discrete Mathematics	3	0	0	3	MTH121
COE242	Digital Logic Design	3	2	2	4	COM111
Total		14	6	6	17	

FOURTH SEMESTER

Course No.	Course Title		Contact Hours			Prerequisite
		Th	Lab	Tut	Cr. Hrs.	
MTH222	Engineering Mathematics IV	3	0	2	3	MTH221
COE246	Computer Organization & Architecture	3	0	0	3	COE242
COE211	Programming for Engineers	2	2	0	3	COE112
COE251	Electronics I	3	2	2	4	COE215
INT205	Fundamentals of Data Communications & Networking	2	2	0	3	COM111& 40 Cr. Hrs
xxxxxx	University Elective II	3	0	0	3	-
Total		16	6	4	19	

FIFTH SEMESTER

Course No.	Course Title		Contact Hours			Prerequisite
		Th	Lab	Tut	Cr. Hrs.	
COE303	Electronics II	2	2	0	3	COE251
COE321	Digital System Design	3	2	0	4	COE242
COE348	Microprocessor Systems	3	2	0	4	COE246
INT302	Database Management Systems	2	2	0	3	COE211
INT311	Advanced Computer Networks	2	2	0	3	INT205
1141300	Innovation and Entrepreneurship	3	0	0	3	-
Total		15	10	0	20	

SIXTH SEMESTER

Course No.	Course Title	Contact Hours				Prerequisite
		Th	Lab	Tut	Cr. Hrs.	
ELE204	Signals and Systems	3	0	2	3	MTH221
COE322	Instrumentation & Measurements	2	2	0	3	COE251
INT204	Data Structures and Algorithms	2	2	0	3	COE211
COE349	Embedded Systems	3	2	0	4	COE348
COE440	Digital Integrated Circuits	3	0	2	3	COE251, COE242
xxxxxx	Major Elective I	3	0	0	3	70 Cr. Hrs.
Total		16	6	4	19	

Summer session: Internship training (1 credit hour)

SEVENTH SEMESTER

Course No.	Course Title	Contact Hours				Prerequisite
		Th	Lab	Tut	Cr. Hrs.	
ELE302	Principles of Communication	3	2	2	4	ELE204
COE431	Project I	1	4	0	3	90 Cr. Hrs.
INT301	Operating Systems	2	2	0	3	COE246
INT303	Fundamentals of Information Security	3	0	0	3	INT205
INT305	Fundamentals of Software Engineering	2	2	0	3	INT204
xxxxxx	Major Elective II	3	0	0	3	70 Cr. Hrs.
Total		14	10	2	19	

Summer session: Internship training (3 credit hours)

EIGHTH SEMESTER

Course No.	Course Title	Contact Hours				Prerequisite
		Th	Lab	Tut	Cr. Hrs.	
COE432	Project II	1	4	0	3	COE431
COE446	Engineering Ethics	1	0	0	1	70 Cr. Hrs
xxxxxx	Major Elective III	3	0	0	3	70 Cr. Hrs.
xxxxxx	Major Elective IV	3	0	0	3	70 Cr. Hrs.
Total		8	4	0	10	

Courses Descriptions

COE112 Computer Programming

This course provides knowledge and skill of problem solving and programming concepts using pseudo code and a computer programming language. Topics cover: the problem- solving process; data types; variables, constants, and memory locations; simple sequential programs; basic input/output; selection and repetition control structures; arrays and strings; and user-defined methods.

COE211 Programming for Engineers

This course extends the programming concepts developed in the earlier courses and provides the students an opportunity to learn the advanced concepts that are used in engineering applications including digital design. The course also offers an in-depth exposure to advanced programming techniques in JAVA and the MATLAB programming environment.

COE215 Circuit Analysis

This course covers the topics of DC and AC circuit analysis. It includes the topics impedance and admittance, mesh, nodal, superposition, Thevenin's and Norton's theorem, transient response of RC and RLC circuits, sinusoidal steady state response, resonance, phasor representation, and two-port networks.

COE242 Digital Logic Design

One of the main goals of this course is to teach students the fundamental concepts in classical digital design and to demonstrate clearly the way in which digital circuits are designed and analyzed today. The purpose is to make students familiar with modern hierarchy of digital hardware and enlighten them the state-of-the-art computer hardware design methodologies. Moreover, the contents of the course provide students the basic idea of how to design and simulate logic circuits.

COE246 Computer Organization & Architecture

Introduction to computer organization, the major components of a computer system and the interaction between them, including CPU, memory, I/O devices and buses. Machine instructions, assembly language programming, CPU performance and metrics, non-pipelined and pipelined processor design, datapath and control unit, pipeline hazards, memory system and cache memory.

COE251 Electronics I

Basic properties of semiconductor materials. Theory of operation and applications of p-n junction diodes, Zener diodes and photodiodes. Theory of operation, biasing circuits, and small signal analysis of Bipolar Junction Transistor and Junction Field Effect Transistor. Transistor configurations and two-port network representation of transistor, a.c. equivalent circuits. Analysis and design of transistor amplifier circuits.

COE400 Computer Engineering Internship

Internship familiarizes students with actual working environments. It gives students the opportunity to integrate their knowledge and skills acquired in various courses. Internship also gives the student a feeling of what is involved in working in a practical environment. It also provides an opportunity to develop communication and team-work skills as well as ethical issues relating to the profession.

COE303 Electronics II

This course covers design and analysis of BJT and FET amplifier circuits, operational amplifiers and their applications in wave shaping, signal generation, filters, A/D and D/A converters. It also covers design of oscillator circuits and signal/waveform generators.

COE321 Digital System Design

This course introduces design methodologies for implementing digital systems in programmable logic. The course will build on the basics of digital logic from 2nd year. The students will learn how a Hardware Description Language (HDL) is used to describe and implement hardware. The topics will include (behavioral modeling, dataflow modeling and structural modeling and writing test benches for design verification). The students also will learn about computer-aided synthesis and implementation for PLDs and FPGAs design with a focus on FPGA design flow. Laboratory exercises lead the students through the complete programmable logic design cycle. Each student will prototype a digital system starting with VHDL entry, functional and timing simulations, logic synthesis, device programming, and verification.

COE322 Instrumentation and Measurements

Basic measurement concepts, sources and types of measurement errors, sources of noise and interference. DC and AC Bridges and their applications. Analog DC and AC meters. Oscilloscopes: types, specifications, operation, measurements with oscilloscopes. Electronic voltmeters, digital multi-meters, electronic counters. Logic Analyzers, Data Generators, Data acquisition and control using plug-in cards. Development of virtual instruments using software.

COE348 Microprocessor Systems

This course covers microprocessor architecture, system design and development, instruction set and buses. The Intel 80x86 family, real and protected mode, interrupts and interfacing techniques are explained. Advanced microprocessor system architectures such as the Intel Pentium will be discussed.

COE349 Embedded Systems

This course introduces the hardware and software design of embedded systems using microcontrollers. Students are introduced to microcontroller programming in both assembly and C. Important subsystems of the microcontroller are covered such as timers, interrupts, serial transmission of data, analog to digital and digital to analog converters. There are a series of exercises introduced into the lectures and labs which give students hands-on experience with working with microcontroller. At the end of the course, each student will choose a design project to work on during the last few weeks.

COE430 Selected Topics in computer Engineering

This course covers some advanced topics related to computer engineering, computer science and its related areas that are not covered in the curriculum, and are considered useful and additional learning material for students majoring in computer engineering. Course contents are subject to the approval of the department.

COE431 Project I

The course aims to give students the opportunity to work in a guided but independent fashion to develop a solution to a problem by making use of knowledge, techniques, and methodologies acquired in the previous semesters. The course also aims to enhance team work and communication skills, both oral and written.

COE432 Project II

The course aims to give students the opportunity to work in a guided but independent fashion to develop a solution to a problem by making use of knowledge, techniques, and methodologies acquired in the previous semesters. The course also aims to enhance team work and communication skills, both oral and written. Student may continue the work on project-1 subject to the approval of the advisor or define a new project.

COE440 Digital Integrated Circuits

This course covers the, design, operation, and analysis of various digital integrated circuit families, MSI digital circuits, and memories.

COE446 Engineering Ethics

This course is designed to introduce undergraduate Computer Engineering students to the concepts, theory and practice of engineering ethics. Topics include professionalism, code of ethics, moral framework, safety & risk, honesty, intellectual properties, privacy, computer crimes, economic and global issues.

INT202 Discrete Mathematics

This course covers fundamental mathematical concepts and reasoning along with problem solving techniques. Topics covered include propositional logic, predicate logic, inference, proof methods including induction, set operations, recursion, binary relations including order relations, and equivalence relations, graphs, trees, and functions.

INT204 Data Structures and Algorithms

The course covers concepts of program performance (time and space complexity); abstract data types; recursion; abstract data structures: lists, stacks, queues, graphs, trees, binary search trees, priority queues, heaps, and operations on them and their applications; sorting; searching and hashing.

INT304 Human Computer Interaction

Concepts, human information processing (cognition, perception, movement, culture, communication, human diversity, motivation for computer interaction, human performance models, etc.), user interface design principles, information presentation, visual, auditory and tactile displays, speech communication, data entry, controls, tools and feedback, human factors in computer programming, workspace design, environmental and legal considerations. We will study the modeling, the building and the evaluation aspects.

INT205 Fundamental of Data Communications and Networking

Introduction to computer networks and the Internet. Protocol layers and the OSI model. Application layer: HTTP, FTP, SMTP, POP3, DNS and peer-to-peer applications. Transport layer: UDP, TCP and congestion control. Network layer: virtual circuits, routers, IP protocols and routing

algorithms. Link layer: error detection and correction, multiple access, MAC addressing, switches, ARP, Ethernet, local area networks and wide area networks. Wireless and mobile networks.

INT301 Operating Systems

This course covers the principles and concepts of modern operating systems. Operating system services: processes and process management, memory management, file systems, Input/Output and device control, deadlocks, distributed systems, case studies. To introduce the learner to the principles and practice of operating systems with respect to effective and convenient management and operation of a computer system.

INT302 Database Management Systems

This course is designed to give a theoretical and practical background in database techniques. It covers: database concepts, data models, data dictionary, entity relationship diagrams, and relational data model, converting E-R models to relational model, SQL language, and normalization. Oracle software is used in the Lab.

INT303 Fundamental of Information Security

This course aims at introducing fundamental security concepts to students. Main security threats and related countermeasures are presented. Students will learn the importance of protecting information stored on computer systems from unauthorized access. The students will also learn how to encrypt and decrypt information, control access to objects and recommend a secure system implementation.

INT206 Fundamentals of Web Systems

This course introduces the basics of Web systems and how it differs from desktop systems. Students will learn client-server architecture, and how it evolves to multitier system. The course will allow student to learn and use essential Web languages and technologies including XHTML, CSS, and XML. Students will apply this knowledge to generate essential web components like basic browser controls (buttons, links, and menus), forms and frames. They will also understand how these components are managed on the server side.

INT305 Fundamentals of Software Engineering

The course emphasizes object-oriented techniques and the use of UML. Topics covered in this course include: overview of the software engineering process, software process models, UML syntax and semantics, software requirement analysis, software design principles and models, component-level design, and software testing. Student will work in teams on software projects.

INT307 Information Technology Project Management

This course aims cover: characteristics of IT Project management, initiating an IT project; project planning; defining and managing project scope, structuring a project, project schedule and budget, managing project risk, project communication, tracking, and reporting, IT project quality management, ethics and professional practices, and project implementation.

INT309 Cloud Computing

This course aims to introduce students to theory and practice of cloud computing. Topics include: introduction to cloud computing; parallel and distributed systems; cloud infrastructure; applications and paradigms; resource virtualization; resource management and scheduling; networking support; cloud storage systems; cloud security.

INT311 Advanced Computer Networks

This course will cover the principles of networking with a focus on algorithms, protocols, and implementations for advanced networking services. We will examine a variety of ideas that were proposed to enhance the Internet, why some of these enhancements were successful while others were not. The emphasis in this course is on topics such as routing protocols, advanced routing and switching. It covers Internet architecture, congestion control, QoS, IPv6, and voice over IP. The student will use network simulators for some network models.

INT312 Network Security

This course introduces students to main security concepts related to the protection of a network from known threats and attacks. This includes digital signatures, authentication protocols, IP & Web security and e-mail security. It also emphasizes the importance of using firewalls in order to secure a network. Packet-filtering routers, application and circuit-level gateways are presented. Advanced cryptographic algorithms are also discussed in details such AES, MAC & hash operations and cipher modes.

INT406 Computer Modeling and Simulation

This course aims to introduce students to elements and methodology of simulation. Topics include: basic concepts and types of simulation, discrete-event simulation, a review of probability and statistics relating to simulation, selecting input probability distributions, generation of random variates, design of simulation experiments and output analysis, verification and validation of simulation models. Students are expected to submit a simulation project.

INT411 Network Design & Implementation

The aim of the course is for the student to design a LAN solution detailing structured cabling components, desktop and server hardware, network operating systems, and network administration tools. He can document the design solution with materials and equipment lists, cable installation drawings, telecommunications and server room layouts, software versions and compatibility lists, and budget requirements. Also he demonstrates design feasibility by implementing a LAN prototype with all required functionality including servers, workstations and network infrastructure. This course defines a technical project plan and timeline for implementation, and discussing overall project benefits, possible technical issues and required resources to complete the project.

INT412 Wireless and Mobile Computing

This course presents the student with the latest in wireless technologies. The first part includes wireless networks such as, cellular and short range wireless technologies, protocols for wireless and wireless resources management. The second part includes mobile computing such as, VoIP on wireless, computing & programming over wireless. The student will study the legal and the private issues associated with wireless.

INT415 Network Management

The course discusses typical architectures for network management including the management console, aggregators and device agents. This course introduces management paradigms and protocols (SNMP). Remote Monitoring (RMON), Network Management Tools and Systems are examined. The Web-Based Management and Network Management Applications are covered. Configuration of basic network resources and management of multiple servers' network and troubleshooting.

INT416 Data Compression

The aim of this course is to introduce the theoretical underpinnings of data compression and cover many fundamental algorithms. Topics covered include: fundamentals of digital communication, communication channel, measure of information, encoding of source output, shannon's algorithms. Discrete and continuous channel entropy coding, variable length code, channel noise, compression & codes, lossless compression algorithms, lossy compression algorithms, audio compression, image and video compression.

INT417 Distributed Systems

The aims of this course are to study the fundamental characteristics of distributed systems. Topics covered will include: low-level basics including sockets, internet-based inter-process communications, and threading; remote-procedure-calls and remote-method-invocations; modern synchronous and asynchronous style client server systems and supporting processes; messaging and transactional systems; peer-to-peer and grid technologies; supporting systems such as naming and directory services.

INT423 Advanced Database Design & Implementation

This course builds on top of the first DBMS course by introducing advanced database concepts to allow students to effectively design and implement industrial quality database. The course revisits SQL in a deeper, more practical approach, with a focus on its PL/SQL extension. The student will learn database in a client-server setting, and see how to manage multi-user databases. Students will be able to design and implement functional databases that include major components of an industrial database.

INT425 Distributed and Object Databases

This course discusses new and emerging issues in the field of distributed database. It focuses on principles of db distribution from both data distribution approach and network technologies role in distribution. Students will have in depth coverage of advanced transaction model and workflow as well as parallel databases, distributed object DBMS, push-based technology, and mobile DBMS; all of which are pillars of enterprise information technology of today.

Department of Information Technology

Vision

To be among the top recognized Information Technology Departments in the region.

Mission

The Department of Information Technology aims to provide quality education in the field of information technology and information systems based on internationally recognized standards for undergraduate programs; produce information technology and information systems professionals who can deploy efficiently IT technologies and implement IT solutions according to market and society needs, particularly in the UAE and Gulf region; and prepare individuals for lifelong learning and research.

Degree Programs

The Department currently offers two distinct Bachelor degree programs, which provide the student with an excellent theoretical and practical knowledge and skills to prepare her/him for professional career or further study in the field of computing. All programs are accredited by the Commission for Academic Accreditation.

Programs offered are:

1. Bachelor in Information Technology with two concentrations:
   - Networking & Security, and
   - Database & Web systems
2. Bachelor in Information Systems with two concentrations:
   - Project Management
   - E-Business Management

Bachelor of Science in Information Technology

Mission

The mission of the Information Technology program is to provide quality education in the field of information technology based on internationally recognized standards for undergraduate programs; produce information technology professionals who can deploy efficiently IT technologies and implement IT solutions according to market and society needs, particularly in the UAE and Gulf region; and prepare individuals for lifelong learning and research.

Program Educational Objectives

Graduates of the Bachelor of Science in Information Technology program will have the following characteristics within few years of graduation:

PEO_1. Use their acquired skills and knowledge in information technology to pursue a rewarding and a successful career in public sector, private sector, or academia locally or globally.

PEO_2. Act as an effective individuals or leaders who can address information technology related technical, business, or ethical challenges.

PEO_3. Engaged in life-long learning and professional development through self-study, professional, or graduate studies in information technology or related fields.

Program Learning Outcomes (PLO's)

Common Learning Outcomes (All concentrations)

Graduates will be able to:

- C1**. *Demonstrate*** general education knowledge in diverse fields.
- C2. ***Demonstrate*** an analytical and critical thinking ability for problem solving.
- C3. ***Demonstrate*** knowledge of fundamental concepts, principles and techniques of information technology.
- C4. ***Analyze***, ***identify,*** and ***define*** the computing requirements that must be addressed to provide a solution to an IT problem.
- C5. ***Manage*** the information technology resources of an IT-based entity.
- C6. ***Demonstrate*** ethical and professional behaviour in an information technology environment.
- C7. ***Communicate*** effectively both orally and in writing.
- C8. ***Function*** independently and as an effective member of a team.

Concentration Learning Specific Outcomes

Networking & Security

Graduates will be able to:

- NS1. ***Design*** and ***implement*** basic network functionalities.
- NS2. ***Maintain*** and ***administer*** network systems.
- NS3. ***Analyze*** and ***evaluate*** network configurations and security needs.
- NS4. ***Provide*** solutions for network security needs.

Databases & Web Systems

Graduates will be able to,

- DW1. Design and implement database-driven applications.
- DW2. Design and implement web-based client/server systems.
- DW3. Use Big Data analytical techniques and front-end tools.
    - DW4. Analyze un-modelled, multi-structured data using Big Data technologies such as Hadoop, MapReduce & Spark.

Program Learning Outcomes and Alignment to UAE Qualification Framework (UAEQF)

Common Program Learning Outcomes	UAEQF Strands
C1. ***Demonstrate*** general education knowledge in diverse fields.	Knowledge
C2. ***Demonstrate*** an analytical and critical thinking ability for problem solving.	Skill
C3. ***Demonstrate*** knowledge of fundamental concepts, principles and techniques of information technology.	Knowledge
C4. ***Analyze***, ***identify,*** and ***define*** the computing requirements that must be addressed to provide a solution to an IT problem.	Knowledge
C5. ***Manage*** the information technology resources of an IT-based entity.	Autonomy and Responsibility
C6. ***Demonstrate*** ethical and professional behavior in an information technology environment.	Self-Development
C7. ***Communicate*** effectively both orally and in writing.	Skill
C8. ***Function*** independently and as an effective member of a team.	Role in Context

Concentration Specific Learning Outcomes

Networking and Security Concentration Learning Outcomes	UAEQF Strands
NS1. ***Design*** and ***implement*** basic network functionalities.	Knowledge & Skill
NS2. ***Maintain*** and ***administer*** network systems.	
NS3. ***Analyze*** and ***evaluate*** network configurations and security needs.	
NS4. ***Provide*** solutions for network security needs.	

Databases and Web Systems Learning Outcomes	UAEQF Strands
DW1. Design and implement database-driven applications.	Knowledge & Skill
DW2. Design and implement web-based client/server systems.	
DW3. Use Big Data analytical techniques and front-end tools.	
DW4. Analyze un-modelled, multi-structured data using Big Data technologies such as Hadoop, MapReduce & Spark	

Admission Requirements

The normal entry requirement for an applicant is the U.A.E secondary school certificate or an equivalent qualification with a minimum average grade of 70% in addition to the English proficiency requirements.

Career Opportunities

Graduates of the Information Technology program can undertake a variety of job positions at both the managerial and technical levels. Job opportunities may include but not limited to: IT resources management; IT project management; professional IT consultant; professional teacher or trainer; marketing of software and hardware; and pursuing postgraduate study and research. For those specializing in networks and security, additional job opening may include: network administration and management; network security management; and designing and implementing network solutions. Graduate of Databases and Web Systems may find additional job opportunities in database administration and management; developing database applications; and developing web applications.

Graduation requirements

Students at Ajman University (AU) are eligible for a Bachelor in Information Technology in either concentration after the completion of 123 credits hours, which normally takes eight semesters or less (not counting summer semesters). Students must undertake 12 weeks of internship in a summer session, which is equivalent to 3 credit hours. The minimum accumulative grade point average for graduation is 2.0.

Degree Requirements

The B.Sc. degree in Information Technology with its two concentrations requires the completion of 123 Cr. Hrs. distributed according to the following plan for the two concentrations:

Type of Courses	Credit/hour
1. University General Education Requirements	
(a) University Compulsory Courses	15
(b) University Elective Courses	9
2. Information Technology Program Common Compulsory Courses	
(a) General Courses	12
(b) Information Technology Core Courses	51
(c) Internship	3
3. Information Technology Program Concentration Courses	21
4. Information Technology Program Elective Courses	12
Total Credit Hours	123

University General Education Requirements

(a) University Required Courses *(15 Cr. Hrs.)*

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ARB 111	Communication Skills in Arabic Language	3	0	0	3	-
COM 111	IT Fundamentals	2	2	0	3	-
INN 311	Innovation & Entrepreneurship	3	0	0	3	-
ISL 114	Islamic Culture	3	0	1	3	-

STA 112	Statistics	2	2	0	3	-

(b)University Elective Courses *(9 Cr.Hrs.)*

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
1. Humanities / Arts						
ARB 113	The Art of Written Expression (Arabic)	3	0	0	3	-
ART 111	Introduction to Art	3	0	0	3	-
ART 211	Introduction to Digital Photography	3	0	0	3	-
ENG 113	Academic Writing (English)	3	0	0	3	-
ENG 211	The Art of Public Speaking (English)	3	0	0	3	-
FRE 211	French Language	3	0	0	3	-
ISL 211	Introduction to Hadeeth and Sunna	3	0	0	3	-
LAW 111	Legal Culture	3	0	0	3	-
2. Natural Sciences						
AST 211	Astronomy	3	0	0	3	-
BIO 111	General Biology	3	0	0	3	-
CHM 111	General Chemistry	3	0	0	3	-
PHY 111	Physics	3	0	0	3	-
3. Social or Behavioral Sciences						
ECO 211	Economic Concepts	3	0	0	3	-
EMS 111	Emirates Society (English)	3	0	0	3	-
ENG 111	English Communication Skills	3	0	0	3	-
INF 113	Library Information System	3	0	0	3	-
PSY 111	General Psychology (English)	3	0	0	3	-
SOC 112	Communication Between Cultures	3	0	0	3	-

MAJOR REQUIREMENTS

(a) Major Requirements - General Education Courses

(12 Credit Hours.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ACC 200	Principles of Accounting I	3	0	0	3	-
INT 101	Calculus for Information Technology	3	0	2	3	-
INT 208	Computerized Accounting	2	2	0	3	ACC 200
MGT 200	Introduction to Management	3	0	0	3	-

(b) Major Requirements - Core Courses & Internship *(54 Cr. Hrs.)*

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 102	Algorithms and Problem Solving	2	2	0	3	-
INT 103	Information Technology in Business	2	2	0	3	1041100
INT 201	Object Oriented programming	2	2	0	3	INT 102
INT 202	Discrete Mathematics	3	0	0	3	INT 101
INT 203	Computer Organization	3	0	0	3	1041100
INT 204	Data Structures and Algorithms	2	2	0	3	INT 201, INT 202
INT 205	Fundamentals of Data Communications and Networking	2	2	0	3	INT 203
INT 206	Fundamentals of Web Systems	2	2	0	3	INT 201
INT 301	Operating Systems	2	2	0	3	INT 203
INT 302	Database Management Systems	2	2	0	3	INT 201
INT 303	Fundamentals of Information security	3	0	0	3	INT 205
INT 304	Human Computer Interaction	2	2	0	3	INT 201
INT 305	Fundamentals of Software Engineering	2	2	0	3	INT 204
INT 306	Computer Ethics and Professional Practices	3	0	0	3	INT 303
INT 307	Information Technology Project Management	2	2	0	3	INT 305
INT 308	Enterprise Systems	3	0	0	3	INT 302
INT 401	Information Technology Project	1	4	0	3	INT 307
INT 402	Information Technology Internship				3	90 Cr. Hrs

(c) Major Requirements - Concentration Courses *(21 Cr. Hrs.)*

Networking and Security Concentration

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 311	Advanced Computer Networks	2	2	0	3	INT 205
INT 312	Network Security	2	2	0	3	INT 303
INT 411	Network Design and Implementation	2	2	0	3	INT 311
INT 412	Wireless and Mobile Computing	2	2	0	3	INT 312
INT 413	Network Operating Systems	2	2	0	3	INT 301
INT 414	Enterprise Security	3	0	0	3	INT 308
INT 415	Network Management	2	2	0	3	INT 311

Databases and Web Systems

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 321	Database Administration	2	2	0	3	INT 302
INT 322	Web Technologies	2	2	0	3	INT 206
INT 421	Web Application Design and Development	2	2	0	3	INT 322
INT 422	Information Architecture	2	2	0	3	INT 302
INT 423	Advanced Database Design and Implementation	2	2	0	3	INT 302
INT 424	E-Commerce	2	2	0	3	INT 322
INT 425	Distributed and Object Oriented Databases	2	2	0	3	INT 423

(d) Major Requirements (Both Concentrations) - Elective Courses *(12 Cr. Hrs.)*

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INS 307	Business Process Management	3	0	2	3	INT 305
INS 309	Knowledge Management	3	0	0	3	INT 308
INT 309	Cloud Computing	3	0	0	3	INT 302
INT 403	Selected Topics in Information Technology	3	0	0	3	INT 307
INT 404	Individual Project	2	2	0	3	INT 307
INT 405	Knowledge Based Systems	2	2	0	3	INT 305
INT 406	Computer Modeling and Simulation	2	2	0	3	INT 201
INT 416	Data Compression	2	2	0	3	INT 303
INT 417	Distributed Systems	3	0	0	3	INT 311
INT 418	Wireless Network Security	3	0	0	3	INT 312
INT 427	Advanced Web Topics	2	2	0	3	INT 322
INT 428	Data Warehousing and Data Mining	3	0	0	3	INT 308
INT 429	Mobile Applications	2	2	0	3	INT 301, INT 302

Proposed Sequence of Study

FIRST SEMESTER (Both Concentrations)

Course Code	Course Name	Lec	Lab	Tut	Cr. Hrs.	Prerequisite
ARB 111	Communication Skills in Arabic Language	3	0	0	3	-
COM 111	IT Fundamentals	2	2	0	3	-
ISL 1140	Islamic Culture	3	0	1	3	-

xxxxxx	University Elective I	3	0	0	3	-
xxxxxxx	University Elective II	3	0	0	3	-
TOTAL		**15**	**2**	**1**	**15**	

SECOND SEMESTER (Both Concentrations)

Course Code	Course Name	Lec	Lab	Tut	Cr.Hrs.	Prerequisite
INT 101	Calculus for Information Technology	3	0	2	3	-
INT 102	Algorithms and Problem Solving	2	2	0	3	-
INT 103	Information Technology in Business	2	2	0	3	1041100
STA 112	Statistics	2	2	0	3	-
xxxxxx	University Elective III	3	0	0	3	-
TOTAL		**12**	**6**	**2**	**15**	

THIRD SEMESTER (Both Concentrations)

Course Code	Course Name	Lec	Lab	Tut	Cr.Hrs.	Prerequisite
ACC 200	Principles of Accounting I	3	0	0	3	-
INT 201	Object Oriented Programming	2	2	0	3	INT 102
INT 202	Discrete Mathematics	3	0	0	3	INT 101
INT 203	Computer Organization	3	0	0	3	1041100
MGT 200	Introduction to Management	3	0	0	3	-
TOTAL		**14**	**2**	**0**	**15**	

FOURTH SEMESTER (Both Concentrations)

Course Code	Course Name	Lec	Lab	Tut	Cr.Hrs.	Prerequisite
INT 204	Data Structures and Algorithms	2	2	0	3	INT 201, INT 202
INT 205	Fundamentals of Data Communications and Networking	2	2	0	3	INT 203
INT 206	Fundamentals of Web Systems	2	2	0	3	INT 201
INT 208	Computerized Accounting	2	2	0	3	ACC 200
INT 301	Operating Systems	2	2	0	3	INT 203
TOTAL		**10**	**10**	**0**	**15**	

FIFTH SEMESTER (Both Concentrations)

Course Code	Course Name	Lec	Lab	Tut	Cr.Hrs.	Prerequisite
INN 311	Innovation & Entrepreneurship	3	0	0	3	60 Cr. Hrs.
INT 302	Database Management Systems	2	2	0	3	INT 201
INT 303	Fundamentals of Information Security	3	0	0	3	INT 205
INT 305	Fundamentals of Software Engineering	2	2	0	3	INT 204
INT 311	Advanced Computer Networks	2	2	0	3	INT 205
TOTAL		**12**	**6**	**0**	**15**	

SIXTH SEMESTER

1. Networking and Security Concentration

Course Code	Course Name	Lec	Lab	Tut	Cr.Hrs.	Prerequisite
INT 304	Human Computer Interaction	2	2	0	3	INT 201
INT 306	Computer Ethics and Professional Practices	3	0	0	3	INT 303
INT 307	Information Technology Project Management	2	2	0	3	INT 305
INT 308	Enterprise Systems	3	0	0	3	INT 302
INT 312	Network Security	2	2	0	3	INT 303
TOTAL		**12**	**6**	**0**	**15**	

2. Databases and Web Systems Concentration

Course Code	Course Name	Lec	Lab	Tut	Cr. Hrs.	Prerequisite
INT 304	Human Computer Interaction	2	2	0	3	INT 201
INT 306	Computer Ethics and Professional Practices	3	0	0	3	INT 303
INT 307	Information Technology Project Management	2	2	0	3	INT 305
INT 308	Enterprise Systems	3	0	0	3	INT 302
INT 321	Database Administration	2	2	0	3	INT 302
TOTAL		**12**	**6**	**0**	**15**	

SEVENTH SEMESTER

1. Networking and Security Concentration

Course Code	Course Name	Lec	Lab	Tut	Cr. Hrs.	Prerequisite
INT 411	Network Design and Implementation	2	2	0	3	INT 311
INT 412	Wireless and Mobile Computing	2	2	0	3	INT 312
INT 413	Network Operating Systems	2	2	0	3	INT 301
xxxxxxx	Major Elective I	x	x	0	3	xxxxxxx

xxxxxxx	Major Elective II	x	x	0	3	xxxxxxx
TOTAL		**x**	**x**	**0**	**15**	

2. Databases and Web Systems Concentration

Course Code	Course Name	Lec	Lab	Tut	Cr. Hrs.	Prerequisite
INT 421	Web Application Design and Development	2	2	0	3	INT 322
INT 422	Information Architecture	2	2	0	3	INT 302
INT 423	Advanced Database Design and Implementation	2	2	0	3	INT 302
xxxxxxx	Major Elective I	x	x	0	3	xxxxxxx
xxxxxxx	Major Elective II	x	x	0	3	xxxxxxx
TOTAL		**x**	**x**	**0**	**15**	

EIGHTH SEMESTER

1. Networking and Security Concentration

Course Code	Course Name	Lec	Lab	Tut	Cr. Hrs.	Prerequisite
INT 401	Information Technology Project	1	4	0	3	INT 307
INT 414	Enterprise Security	3	0	0	3	INT 308
INT 415	Network Management	2	2	0	3	INT 311
xxxxxxx	Major Elective III	x	x	0	3	xxxxxxx
xxxxxxx	Major Elective IV	x	x	0	3	xxxxxxx
TOTAL		**x**	**x**	**0**	**15**	

2. Databases and Web systems Concentration

Course Code	Course Name	Lec	Lab	Tut	Cr. Hrs.	Prerequisite
INT 401	Information Technology Project	1	4	0	3	INT 307
INT 424	E-Commerce	2	2	0	3	INT 322
INT 425	Distributed and Object Oriented Databases	2	2	0	3	INT 423
xxxxxxx	major elective iii	x	x	0	3	xxxxxxx
xxxxxxx	major elective iv	x	x	0	3	xxxxxxx
TOTAL		**x**	**x**	**0**	**15**	

Courses Descriptions

INT 101 Calculus for Information Technology

This course covers the essential mathematical topics that students specialized in information technology needs. The first part of the course deals with plane analytic geometry. The second part covers the basic knowledge about matrices and determinants. The third part is designed to provide students with notions of real functions: limits, continuity, differentiability, and integration with applications on simple derivatives

INT 102 Algorithms and Problem Solving

This course provides knowledge and skill of problem solving and programming concepts using pseudo code and a computer programming language. Topics cover: the problem- solving process; data types; variables, constants, and memory locations; simple sequential programs; basic input/output; selection and repetition control structures; arrays and strings; and user-defined functions.

INT 103 Information Technology in Business

This course aims to cover a range of general information technology topics that will make the student appreciate the role of IT in business. Topics include: information technology fundamentals; information technologies; business applications; development processes; and ethical, societal and security issues.

INT 201 Object Oriented Programming

The primary objective of this course is to introduce the concepts of object-oriented programming: classes, objects, methods, object interaction, encapsulation, inheritance, container classes, polymorphism, exception handling, and recursive algorithms. This course is not meant as a comprehensive introduction to all of Java concepts such as applets and socket programming.

INT 202 Discrete Mathematics

This course covers fundamental mathematical concepts and reasoning along with problem solving techniques. Topics covered include propositional logic, predicate logic, inference, proof methods including induction, set operations, recursion, binary relations including order relations, and equivalence relations, graphs, trees, and functions.

INT 203 Computer organization

This course covers the organization of the von Neumann machine, explains how instructions are fetched from memory and executed, how numerical values are represented in digital computers, identifies the main types of memory used and design of simple computer interface.

INT 204 Data Structures and Algorithms

The course covers concepts of program performance (time and space complexity); abstract data types; recursion; abstract data structures: lists, stacks, queues, graphs, trees, binary search trees, priority queues, heaps, and operations on them and their applications; sorting; searching and hashing.

INT 205 Fundamental of Data Communications and Networking

Introduction to computer networks and the Internet. Protocol layers and the OSI model. Application layer: HTTP, FTP, SMTP, POP3, DNS and peer-to-peer applications. Transport layer: UDP, TCP and congestion control. Network layer: virtual circuits, routers, IP protocols and routing

algorithms. Link layer: error detection and correction, multiple access, MAC addressing, switches, ARP, Ethernet, local area networks and wide area networks. Wireless and mobile networks.

INT 206 Fundamentals of Web Systems

This course introduces the basics of Web systems and how it differs from desktop systems. Students will learn client-server architecture, and how it evolves to multitier system. The course will allow student to learn and use essential Web languages and technologies including XHTML, CSS, and XML. Students will apply this knowledge to generate essential web components like basic browser controls (buttons, links, and menus), forms and frames. They will also understand how these components are managed on the server side.

INT 208 Computerized Accounting

The Computerized accounting information system joins together the skill sets of accounting and information technology. Information technology has created new challenges and opportunities for accountants who also have expertise in information systems. Many traditional accounting functions are now embodied in systems that require a different combination of technical and financial knowledge. The CAIS course is designed to provide this combination of knowledge and skill sets to meet the new challenges and opportunities of the information technology world. The main objective of the course is to introduce students to the design and implementation of a systematic structure for providing information for decision-making.

INT 301 Operating Systems

This course covers the principles and concepts of modern operating systems. Operating system services: processes and process management, memory management, file systems, Input/Output and device control, deadlocks, distributed systems, case studies. To introduce the learner to the principles and practice of operating systems with respect to effective and convenient management and operation of a computer system.

INT 302 Database Management Systems

This course is designed to give a theoretical and practical background in database techniques. It covers: database concepts, data models, data dictionary, entity relationship diagrams, and relational data model, converting E-R models to relational model, SQL language, and normalization. Oracle software is used in the Lab.

INT 303 Fundamental of Information Security

This course aims at introducing fundamental security concepts to students. Main security threats and related countermeasures are presented. Students will learn the importance of protecting information stored on computer systems from unauthorized access. The students will also learn how to encrypt and decrypt information, control access to objects and recommend a secure system implementation.

INT 304 human Computer Interaction

Concepts, human information processing (cognition, perception, movement, culture, communication, human diversity, motivation for computer interaction, human performance models, etc.), user interface design principles, information presentation, visual, auditory and tactile displays, speech communication, data entry, controls, tools and feedback, human factors in computer programming, workspace design, environmental and legal considerations. We will study the modeling, the building and the evaluation aspects.

INT 305 Fundamentals of Software Engineering

The course emphasizes object-oriented techniques and the use of UML. Topics covered in this course include: overview of the software engineering process, software process models, UML syntax and semantics, software requirement analysis, software design principles and models, component-level design, and software testing. Student will work in teams on software projects.

INT 306 Computer Ethics and Professional Practices

This course will examine the ethical issues that arise in the use of computers, and the responsibilities of those who work with computers, either as computer science professionals or end users. Topics covered include: legal, social and ethical issues surrounding computer technology and its use; privacy; intellectual property rights and copy right laws; information technology code of ethics; issues of privacy and confidentiality; risks of using computers; and computer crime: computer viruses, hacking, phishing & pharming, scams, etc.

INT 307 Information Technology Project Management

This course aims cover: characteristics of IT Project management, initiating an IT project; project planning; defining and managing project scope, structuring a project, project schedule and budget, managing project risk, project communication, tracking, and reporting, IT project quality management, ethics and professional practices, and project implementation.

INT 308 Enterprise Systems

This course introduces students to the new concept of enterprise systems and shows its role in the industry as used by medium and large enterprises. Students will understand the main architectural components of today's enterprise and its infrastructure. The course also introduce different business domain concepts and workflow management and will help student make the link between development and implementation issues on one side and practical enterprise applications on the other side.

INT 309 Cloud Computing

This course aims to introduce students to theory and practice of cloud computing. Topics include: introduction to cloud computing; parallel and distributed systems; cloud infrastructure; applications and paradigms; resource virtualization; resource management and scheduling; networking support; cloud storage systems; cloud security.

INT 311 Advanced Computer Networks

This course will cover the principles of networking with a focus on algorithms, protocols, and implementations for advanced networking services. We will examine a variety of ideas that were proposed to enhance the Internet, why some of these enhancements were successful while others were not. The emphasis in this course is on topics such as routing protocols, advanced routing and switching. It covers Internet architecture, congestion control, QoS, IPv6, and voice over IP. The student will use network simulators for some network models.

INT 312 Network Security

This course introduces students to main security concepts related to the protection of a network from known threats and attacks. This includes digital signatures, authentication protocols, IP & Web security and e-mail security. It also emphasizes the importance of using firewalls in order to secure a network. Packet-filtering routers, application and circuit-level gateways are presented. Advanced cryptographic algorithms are also discussed in details such AES, MAC & hash operations and cipher modes.

INT 321 Database Administration

This course prepares students to administer and maintain databases by applying best practices and procedures to any database platform. With general, platform independent approach, students will be able to work as database administrators to any of the major industrial databases including Oracle, IBM BD2, Sybase, Microsoft and MySQL. Students will become familiar with DBA roles and responsibilities, be able to create a database environment with modeling and normalization as well as reporting while maintaining data integrity.

INT 322 Web Technologies

This course will introduce students to different Web technologies, languages, and frameworks. The student will review the dynamics of these technologies, their advantages and disadvantages. Students will also learn the applicability of each of these technologies in different Web application settings and environment. Students will also learn how to mix and match these technologies and investigate their compatibility and integration challenges.

INT 401 Information Technology Project

The course aims to give students the opportunity to work in a guided but independent fashion to investigate a problem by making use of information technology knowledge, techniques, and methodologies acquired in the previous semesters to provide a suitable solution to an IT problem. The course also aims to enhance team work and communication skills, both oral and written.

INT 402 Information Technology Internship

Internship familiarizes students with actual working environments. It gives students the opportunity to integrate their knowledge and skills learned in the course by applying it to real world problems encountered in business and industry. Internship also gives the student a feeling of what is involved in working on actual information technology problems and develop communication and team-work skills as well as ethical issues relation to IT.

INT 403 Selected Topics in Information Technology

This course aims to introduce students to new developments in the area of information technology not specifically covered in the curriculum and in which a faculty member has developed interest and proficiency. The intention is to provide a rapid response to current trends and to widen student's knowledge in areas such as but not limited to: information storage, retrieval, security, processing, or transition. Specific content of the course will depend on the particular area taught at the time.

INT 404 Individual Project

This course aims to give students the opportunity to work alone in a guided but independent fashion to investigate a problem by making use of information technology knowledge, techniques, and methodologies acquired in the previous semesters to provide a suitable solution to an IT problem. The course also aims to develop communication skills, both oral and written.

INT 405 Knowledge Based Systems

The aim of this course is to introduce the concepts, principles, design and operation of a knowledge base systems (KBS) with particular emphasis on expert systems. Topics covered include: Knowledge representation with production rules; Inference using forward chaining and backward chaining; Uncertainty handling: Frame based expert systems; Fuzzy expert systems;

Knowledge acquisition and data mining; Agents and multi-Agents systems. Practical assignments are used to emphasize these topics in the lab.

INT 406 Computer Modeling and Simulation

This course aims to introduce students to elements and methodology of simulation. Topics include: basic concepts and types of simulation, discrete-event simulation, a review of probability and statistics relating to simulation, selecting input probability distributions, generation of random variates, design of simulation experiments and output analysis, verification and validation of simulation models. Students are expected to submit a simulation project.

INT 411 Network Design & Implementation

The aim of the course is for the student to design a LAN solution detailing structured cabling components, desktop and server hardware, network operating systems, and network administration tools. He can document the design solution with materials and equipment lists, cable installation drawings, telecommunications and server room layouts, software versions and compatibility lists, and budget requirements. Also he demonstrates design feasibility by implementing a LAN prototype with all required functionality including servers, workstations and network infrastructure. This course defines a technical project plan and timeline for implementation, and discussing overall project benefits, possible technical issues and required resources to complete the project.

INT 412 Wireless and Mobile Computing

This course presents the student with the latest in wireless technologies. The first part includes wireless networks such as, cellular and short range wireless technologies, protocols for wireless and wireless resources management. The second part includes mobile computing such as, VoIP on wireless, computing & programming over wireless. The student will study the legal and the private issues associated with wireless.

INT 413 Network Operating Systems

This course introduces network operating system NOS, which is the software that allows multiple computers to communicate, share files and hardware devices with one another. The course aims to provide the student with theoretical and practical knowledge of network operating systems. The student is exposed to some of the most commonly used network operating systems. The student will reinforce their theoretical knowledge in practical sessions where they will install configure, manage and trouble-shoot network operating systems.

INT 414 Enterprise Security

This course aims at introducing students to enterprise security concepts, related risks and cost. It mainly presents a deep coverage of intrusion detection and prevention concepts, including architectures and a survey of most popular IDS implementations and deployments. Students are also introduced to the need of having proper security policies and procedures in order to handle threats properly in addition to forensics techniques to thwart computer attacks.

INT 415 Network Management

The course discusses typical architectures for network management including the management console, aggregators and device agents. This course introduces management paradigms and protocols (SNMP). Remote Monitoring (RMON), Network Management Tools and Systems are examined. The Web-Based Management and Network Management Applications are covered.

Configuration of basic network resources and management of multiple servers' network and troubleshooting.

INT 416 Data Compression

The aim of this course is to introduce the theoretical underpinnings of data compression and cover many fundamental algorithms. Topics covered include: fundamentals of digital communication, communication channel, measure of information, encoding of source output, shannon's algorithms. Discrete and continuous channel entropy coding, variable length code, channel noise, compression & codes, lossless compression algorithms, lossy compression algorithms, audio compression, image and video compression.

INT 417 Distributed Systems

The aims of this course are to study the fundamental characteristics of distributed systems. Topics covered will include: low-level basics including sockets, internet-based inter-process communications, and threading; remote-procedure-calls and remote-method-invocations; modern synchronous and asynchronous style client server systems and supporting processes; messaging and transactional systems; peer-to-peer and grid technologies; supporting systems such as naming and directory services.

INT 418 Wireless Network Security

This course introduces students to modern wireless technologies (802.11, Bluetooth, RFID, ZIGBEE, and Infrared). It covers most aspects related to radio communication and various physical phenomena in a wireless environment. It also surveys most wireless security issues across the OSI layers and technologies (1G, 2G, 2.5G and 3G). Students will also be introduced to basic and advanced security implementations (filtering by MAC, WAP, WAP2, VPN, RADIUS), including setting proper security procedures and policies.

INT 421 Web Application Design and Development

This course prepares students to apply different web technologies and integrate them into a web application. Topics covered include: Web applications and Rich Internet Applications (RIA), programmable Web applications, working with proxies, Yahoo and Google mash up services, Creating a Web application, model view controller pattern, from design, validation and usability, User Interaction Effects and Animation, and Tagging and Rating the Web Application.

INT 422 Information Architecture

Information is the heart of knowledge and one of the main pillars of information systems. This course introduces fundamental concepts and methods of understanding and modeling data as well as extracting information out of it. It also shows how to represent large volume of information and allow users to comprehend and interact with it in an effective way. The course focuses on data modeling and architecture approaches allowing student to build effective information architecture. Then the student will learn how to interact with information using different labeling, navigation, and search strategies. Students will finally learn about information architecture in practice and its applications in large organizations.

INT 423 Advanced Database Design & Implementation

This course builds on top of the first DBMS course by introducing advanced database concepts to allow students to effectively design and implement industrial quality database. The course revisits SQL in a deeper, more practical approach, with a focus on its PL/SQL extension. The

student will learn database in a client-server setting, and see how to manage multi-user databases. Students will be able to design and implement functional databases that include major components of an industrial database.

INT 424 E-Commerce

This course aims to expose students to the theory and practice of e-commerce. Topics covered are: Introduction to E-Commerce, E-Commerce Technology Infrastructure, Revenue models, Marketing on the web, Business-to-business online strategies, Web server hardware and software, E-Commerce Commercial Software, E-Commerce security, Payment Systems, and Planning for e-commerce business

INT 425 Distributed and Object Databases

This course discusses new and emerging issues in the field of distributed database. It focuses on principles of db distribution from both data distribution approach and network technologies role in distribution. Students will have in depth coverage of advanced transaction model and workflow as well as parallel databases, distributed object DBMS, push-based technology, and mobile DBMS; all of which are pillars of enterprise information technology of today.

INS 309 Knowledge Management

This aim of this course is to introduce basic concepts, terminology, and techniques of Knowledge Management (KM). Topics covered include: the origins and units of organizational knowledge; evolution of knowledge management; implementation and utilization of knowledge management systems, and how to measure their impact, outputs, and benefits.

INT 427 Advanced Web Topics

This course introduces students to the latest trends and technologies as used by today's information technology industry. The course focuses on advanced Web technologies that are strongly adapted as the next generation IT. Students will learn the role of Web 2.0 and Web 3.0 with special focus on Web services and Service-Oriented Architecture. The course will allow students to understand the current evolution from Personal Computing (1980s) to Network Computing (1990s) to Internet and Windows (2000s) to today's trends of cloud computing, Web tool kits, mashups, and social networking.

INT 428 Data Warehousing and Data Mining

Today's IT deals with gigantic amount of information. The success of any organization greatly depends on the ability to process and understand its information and extract essential knowledge to help managers take well informed decisions. This course aims to introduce students to concepts and techniques of Data Warehousing and Data Mining. Topics covered include: data warehouse architecture, development life cycle, logical data modeling for a data warehouse, physical data design; Data mining concepts and tasks, data preprocessing and reduction, classification techniques, association analysis and algorithms, clustering analysis and algorithms, anomaly detection methods, and web mining.

Bachelor of Science in Information Systems

Mission

The mission of the Information Systems program is to provide quality education in the field of information systems based on internationally recognized standards for undergraduate programs; produce information systems professionals who can deploy efficiently IT technologies and implement IT solutions according to market and society needs, particularly in the UAE and Gulf region; and prepare graduates for lifelong learning and research.

Program Educational Goals

Graduates of the Bachelor of Science in Information Systems program will have the following characteristics within few years of graduation:

PEO_1. Apply acquired knowledge and skills in information systems and implement their skills in public, private, academic and international information systems functional activities.

PEO_2. Act as information systems professional leaders in performing related skills in technical, business, or ethical duties.

PEO_3. Engage in life-long learning and professional development in pursuing additional graduate degrees, professional development and self-studies.

Program Learning Outcomes

There are nine Learning Outcomes related to the Information Systems program and three learning outcomes associated to each concentration.

Graduates will be able to:

IS1. **Comprehend** general education knowledge of diverse fields particularly the business domain in understanding and building IS applications.

IS2. **Demonstrate** knowledge of core concepts, techniques and practices to IS applications.

IS3. **Use** analytical and critical thinking skills to solve IS problems.

IS4. **Organize** information requirements and provide solutions that reflect current business needs and changes.

IS5. **Examine** emerging technologies for computerized business information systems.

IS6. **Manage** information systems components to maintain business sustainability.

IS7. **Demonstrate** social responsibilities in an ethical and professional manner.

IS8. **Communicate** effectively both orally and in writing.

IS9. **Operate** independently and as an effective member or a leader of a team.

Concentration in Project Management

IS-PM1 **Apply** Project Management methods and practices in IS environment.

IS-PM2 **Manage** the scope, cost, scheduling and quality of the project.

IS-PM3 **Identify** the services, operations and risks involved in IT projects.

Concentration in E-Business Management

IS-eBM1 **Choose** IT technologies to support an e-business solution.

IS-eBM2 **Develop** plans for the implementation of e-marketing and e-commerce systems.

IS-eBM3 **Differentiate** the use of e-commerce business models and e-marketing strategies.

Program Learning Outcomes and Alignment to UAE Qualification Framework (UAEQF)

Common Program Learning Outcomes

#	Common Program Learning Outcomes	UAEQF Strands
IS1	**Comprehend** general education knowledge of diverse fields particularly the business domain in understanding and building IS applications.	Knowledge
IS2	**Demonstrate** knowledge of core concepts, techniques and practices to IS applications.	Knowledge & Skill
IS3	**Use** analytical and critical thinking skills to solve IS problems.	Skill
IS4	**Organize** information requirements and provide solutions that reflect current business needs and changes.	Skill
IS5	**Examine** emerging technologies for computerized business information systems.	Role in context
IS6	**Manage** information systems components to maintain business sustainability.	Autonomy and Responsibility
IS7	**Demonstrate** social responsibilities in an ethical and professional manner.	Self-Development
IS8	**Communicate** effectively both orally and in writing.	Skill
IS9	**Operate** independently and as an effective member or a leader of a team.	Role in Context
#	E-Business Management Concentration Learning Outcomes	UAEQF Strands
IS-eBM1	**Choose** IT technologies to support an e-business solution.	Knowledge & Skill
IS-eBM2	**Develop** plans for the implementation of e-marketing and e-commerce systems.	
IS-eBM3	**Differentiate** the use of e-commerce business models and e-marketing strategies.	

Concentration Specific Learning Outcomes

#	Project Management Concentration Learning Outcomes	UAEQF Strands
IS-PM1	**Apply** Project Management methods and practices in IS environment.	Knowledge & Skill
IS-PM2	**Manage** the scope, cost, scheduling and quality of the project.	
IS-PM3	**Identify** the services, operations and risks involved in IT projects.	

Admission Requirements

Admission to the program of Bachelor of Science in Information Systems with its two concentrations requires the U.A.E secondary certificate or an equivalent qualification with a minimum average grade of 60% for scientific section and a minimum of 65% for Art section.

Career Opportunities

Information system graduates are required to meet the demands of various stakeholders including industry, commerce, education, health, and government. Some graduates are employed in companies and research organizations, others in resource centers in schools, colleges and universities. There are opportunities in finance, in computing and telecommunications industries, as well as in the medical sector.

Graduation requirements

Students at Ajman University (AU) are eligible for a bachelor in Information Systems after completion of 123 credits hours, which normally takes eight semesters. The minimum cumulative grade point average for graduation is 2.0 for 123 total credits hours.

Degree requirement

The B.Sc. degree in Information Systems requires the completion of a 123 Cr. Hrs. distributed according to the following plan:

Type of Courses	Credit/hour
1. University General Education Courses	
(a) University Compulsory Courses	15
(b) University Elective Courses	9
2. Information Systems Program Compulsory Common Core Courses	
(a) General Business Courses	18
(b) Information Systems Core Courses	63
(c) Internship	3
3. Information Systems Program Concentration Courses	9
4. Information Systems Program Elective Courses	6
Total Credit Hours	123

The student must score a minimum cumulative grade point average CGPA of 2.0.

The study plan is designed so that the normal duration for completing the degree requirements is 4 years but should not exceed 8 years.

A student transferring from other institutions must complete at least 50% of the program requirements at AU.

Any other requirements as per University and Ministry regulations enforce at the time of enrolment.

Information Systems Program

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

(a) University Required Courses (15 Cr.Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
STA 111	Statistics	2	2	0	3	-
COM 111	IT Fundamentals	2	2	0	3	-
INN 311	Innovation & Entrepreneurship	3	0	0	3	-
ISL 1140	Islamic Culture	3	0	0	3	-
ARB 111	Communication skills in Arabic language	3	0	0	3	-

(b)University Elective Courses (9 Cr.Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
1. Humanities / Arts						
ARB 113	The Art of Written Expression (Arabic)	3	0	0	3	-
ART 111	Introduction to Art	3	0	0	3	-
ART 211	Introduction to Digital Photography	3	0	0	3	-
ENG 113	Academic Writing (English)	3	0	0	3	-
ENG 211	The Art of Public Speaking (English)	3	0	0	3	-
FRE 211	French Language	3	0	0	3	-
ISL 211	Introduction to Hadeeth and Sunna	3	0	0	3	-
LAW 111	Legal Culture	3	0	0	3	-
2. Natural Sciences						
AST 211	Astronomy	3	0	0	3	-
BIO 111	General Biology	3	0	0	3	-
CHM 111	General Chemistry	3	0	0	3	-
PHY 111	Physics	3	0	0	3	-
3. Social or Behavioral Sciences						
ECO 211	Economic Concepts	3	0	0	3	-
EMS 111	Emirates Society (English)	3	0	0	3	-
ENG 111	English Communication Skills	3	0	0	3	-
INF 113	Library Information System	3	0	0	3	-
PSY 111	General Psychology (English)	3	0	0	3	-
SOC 112	Communication Between Cultures	3	0	0	3	-

INFORMATION SYSTEMS COMPULSORY COMMON CORE COURSES

(a) Major Requirements - General Business Courses (18 Cr. Hrs.)

Course No.	Course Title	Th.	Tut.	Lab.	Cr. Hrs.	Prerequisite
ACC 200	Principles of Accounting I	3	0	0	3	-
FIN 210	Fundamentals of Finance	3	0	0	3	ACC 200
MGT 200	Introduction to Management	3	0	0	3	-
MGT 202	Human Resources Management	3	0	0	3	MGT 300
MGT 300	Organizational Behavior	3	0	0	3	MGT 200
MKT 200	Principles of Marketing	3	0	0	3	MGT 200

(b) Major Requirements - Core Courses & Internship (66 Cr. Hrs.)

Course No.	Course Title	Th.	Tut.	Lab.	Cr. Hrs.	Prerequisite
INS 201	Information Systems Management	3	0	0	3	INT 103
INS 202	Business Statistics	3	0	0	3	STA 111
INS 206	Communication Management	3	0	0	3	COM 111
INS 303	Fundamentals of Computer Systems	2	2	0	3	INT 102
INS 305	Systems Analysis and Design	2	2	0	3	INT 103
INS 307	Business Process Management	3	0	2	3	INS 201
INS 309	Knowledge Management	3	0	0	3	INT 103 MGT 200
INS 401	Change Management	3	0	0	3	INS 201
INS 402	Business Intelligence and Data Warehousing	3	0	0	3	INT 302
INS 404	Information Systems Strategy and Acquisition	3	0	0	3	INT 307
INS 405	Information Systems Project	1	4	0	3	INT 307
INS 406	IT Resource Management	3	0	0	3	INS 307
INS 408	Information Systems Internship	0	0	0	3	90 Cr. Hrs
INT 102	Algorithms and Problem Solving	2	2	0	3	-
INT 103	Information Technology in Business	2	2	0	3	COM 111 MGT 200
INT 205	Fundamentals of Data Communications and Networking	2	2	0	3	INT 102
INT 206	Fundamentals of Web Systems	2	2	0	3	INT 102
INT 302	Database Management Systems	2	2	0	3	INT 102 INT 103
INT 303	Fundamentals of Information Security	3	0	0	3	INT 205
INT 306	Computer Ethics and Professional Practices	3	0	0	3	INT 303
INT 307	Information Technology Project Management	2	2	0	3	INS 305
INT 308	Enterprise Systems	3	0	0	3	INT 302 MGT 200

INFORMATION SYSTEMS CONCENTRATION COURSES

Major Requirements - Compulsory Concentration Courses (9 Cr. Hrs.)

Project Management Concentration

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INS 411	IT Services and Operations Management	3	0	0	3	INS 307
INS 412	Project Planning, Scheduling and Cost Control	3	0	0	3	INT 307
INS 413	Project Quality and Risk Management	3	0	0	3	INT 307

E-Business Management Concentration

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INS 422	E-Marketing	3	0	0	3	MKT 200
INT 322	Web Technologies	2	2	0	3	INT 206
INT 424	E-Commerce	2	2	0	3	INT 206

(b) Major Requirements - Elective Courses (Both Concentrations) (6 Cr. Hrs.)

Course No.	Course Title	Th.	Tut.	Lab.	Cr.Hrs.	Prerequisite
INS 407	Selected Topics in Information Systems	2	2	0	3	INT 307
INS 409	Individual Project	1	4	0	3	INT 307
INT 208	Computerized Accounting	2	2	0	3	ACC 200
INT 304	Human Computer Interaction	2	2	0	3	INS 305
INT 309	Cloud Computing	3	0	0	3	INT 303
INT 321	Database Administration	2	2	0	3	INT 302
INT 423	Advanced Database Design and Implementation	2	2	0	3	INT 302
INT 429	Mobile Applications	2	2	0	3	INS 303 INT 302

Students are allowed to register a maximum of one elective course outside the proposed list after the approval of the Department Head.

Course Sequencing Plan

FIRST SEMESTER (Both Concentrations)

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Tut	Lab	Cr. Hrs.	
ARB 111	Communication skills in Arabic language	3	0	0	3	-
COM 111	IT Fundamentals	2	0	2	3	-
ISL 1140	Islamic Culture	3	0	0	3	-
MGT 200	Introduction to Management	3	0	0	3	-
TOTAL		15	0	2	15	

SECOND SEMESTER (Both Concentrations)

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Tut	Lab	Cr. Hrs.	
INT 102	Algorithms and Problem Solving	2	0	2	3	-
INT 103	Information Technology in Business	2	0	2	3	1041100 MGT 200
MKT 200	Principles of Marketing	3	0	0	3	MGT 200
STA 111	Statistics	2	0	2	3	-

xxxxxxx	University Elective II	3	0	0	3	-
TOTAL		12	0	6	15	

THIRD SEMESTER (Both Concentrations)

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Tut	Lab	Cr. Hrs.	
ACC 200	Principles of Accounting I	3	0	0	3	-
INS 201	Information Systems Management	3	0	0	3	INT 103
INS 202	Business Statistics	3	0	0	3	STA 111
INS 206	Communication Management	3	0	0	3	COM 111
xxxxxxx	University Elective III	3	0	0	3	-
TOTAL		15	0	0	15	

FOURTH SEMESTER (Both Concentrations)

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Tut	Lab	Cr. Hrs.	
INS 307	Business Process Management	3	2	0	3	INS 201
INS 401	Change Management	3	0	0	3	INS 201
INT 205	Fundamentals of Data Communications and Networking	2	0	2	3	INT 102
INT 206	Fundamentals of Web Systems	2	0	2	3	INT 102
MGT 300	Organizational Behavior	3	0	0	3	MGT 200
TOTAL		13	2	4	15	

FIFTH SEMESTER (Both Concentrations)

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Tut	Lab	Cr. Hrs.	
INS 303	Fundamentals of Computer Systems	2	0	2	3	INT 102
INS 305	System Analysis and Design	2	0	2	3	INT 103
INS 309	Knowledge Management	3	0	0	3	INT 103 MGT 200
INT 302	Database Management Systems	2	0	2	3	INT 102 INT 103
INT 303	Fundamentals of Information Security	3	0	0	3	INT 205
TOTAL		12	0	6	15	

SIXTH SEMESTER (Both Concentrations)

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Tut	Lab	Cr. Hrs.	
INN 311	Innovation & Entrepreneurship	3	0	0	3	-
INT 306	Computer Ethics and Professional Practices	3	0	0	3	INT 303
INT 307	IT Project Management	2	0	2	3	INS 305
INT 308	Enterprise Systems	3	0	0	3	INT 302 MGT 200
MGT 202	Human Resources Management	3	0	0	3	MGT 300
TOTAL		14	0	2	15	

SEVENTH SEMESTER

1. Project Management Concentration

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Tut	Lab	Cr. Hrs.	
FIN 210	Fundamentals of Finance	3	0	0	3	ACC 200
INS 402	Business Intelligence and Data warehousing	3	0	0	3	INT 302
INS 411	IT Services and Operations Management	3	0	0	3	INS 307
INS 412	Project Planning, Scheduling and Cost Control	3	0	0	3	INT 307
xxxxxxx	Major Elective I	x	0	x	3	xxxxxxx
TOTAL		x	0	x	15	

2. E-Business Management Concentration

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Tut	Lab	Cr. Hrs.	
FIN 210	Fundamentals of Finance	3	0	0	3	ACC 200
INS 402	Business Intelligence and Data warehousing	3	0	0	3	INT 302
INT 322	Web Technologies	2	0	2	3	INT 206
INT 424	E-Commerce	2	0	2	3	INT 206
xxxxxxx	Major Elective I	x	0	x	3	xxxxxxx
TOTAL		x	0	x	15	

EIGHTH SEMESTER

1. Project Management Concentration

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Tut	Lab	Cr. Hrs.	
INS 404	Information Systems Strategy and Acquisition	3	0	0	3	INT 307
INS 405	Information Systems Project	1	0	4	3	INT 307
INS 406	IT Resource Management	3	0	0	3	INS 307
INS 413	Project Quality and Risk Management	3	0	0	3	INT 307
xxxxxxx	Major Elective II	x	o	x	3	xxxxxxx
TOTAL		x	0	x	15	

SUMMER SESSION: Internship training

2. E-Business Management Concentration

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Tut	Lab	Cr. Hrs.	
INS 404	Information Systems Strategy and Acquisition	3	0	0	3	INT 307
INS 405	Information Systems Project	1	0	4	3	INT 307
INS 406	IT Resource Management	3	0	0	3	INS 307
INS 422	E-Marketing	3	0	0	3	MKT 200
xxxxxxx	Major Elective II	x	o	x	3	xxxxxxx
TOTAL		x	0	x	15	

SUMMER SESSION: Internship training

MINOR IN COMPUTER SCIENCE

Study Plan-A

The study plan of the Minor in Computer Science for sudents of the College of Engineering & IT is as follows:

(a) Compulsory Courses (9 Credit Hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 201	Object Oriented Programming	2	2	0	3	INT 102
INT 203	Computer Organization	3	0	0	3	Com 111
INT 204	Data Structures and Algorithms	2	2	0	3	INT 201

** Or equivalent prerequisite.*

(b) Optional Courses (6 credit hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 205	Fundamentals of Data Communications and Networking	2	2	0	3	INT 203
INT 302	Database Management Systems	2	2	0	3	INT 201
INT 305	Fundamentals of Software Engineering	2	2	0	3	INT 204

Admission and Completion Requirements

The admission and completion requirements are specified in AU's Minor Programs Policy in addition to the following requirements:

1. Only registered students in the Colleges of Engineering & IT, Business Administration, and Scientific majors of the College of Humanities & Sciences at AU can register for the minor in Computer Science – Plan A. Students with a computing major (such as: Information Technology, Computer Science, Information Systems, Computer Engineering) are not eligible to register in this minor.
2. Students accepted for a Minor in Computer Science must successfully complete 15 credit hours from the courses described in the minor's study plan.
3. Any course taken or to be taken by the student as part of his major study plan cannot count towards the minor and must be replaced by another course from the list of options available for the minor.

MINOR IN COMPUTER SCIENCE

Study Plan-B

The study plan of the Minor in Computer Science for other colleges except College of Engineering & IT is as follows:

(c) Compulsory Courses (12 Credit Hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 102	Algorithms and Problem Solving	2	2	0	3	-
INT 201	Object Oriented Programming	2	2	0	3	INT 102
INT 203	Computer Organization	3	0	0	3	Com 111
INT 204	Data Structures and Algorithms	2	2	0	3	INT 201

(d) Optional Courses (6 credit hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 205	Fundamentals of Data Communications and Networking	2	2	0	3	INT 203

INT 302	Database Management Systems	2	2	0	3	INT 201
INT 305	Fundamentals of Software Engineering	2	2	0	3	INT 204

Admission and Completion Requirements

The admission and completion requirements are specified in AU's Minor Programs Policy in addition to the following requirements:

1. Only registered students in the Colleges of Business Administration, Law, Information and Mass Communications and scientific majors of the College of Humanities & Sciences at AU can register for the minor in Computer Science – Plan B. Students with a computing major (such as: Information Technology, Computer Science, Information Systems, Computer Engineering) are not eligible to register in this minor.
2. Students accepted for a Minor in Computer Science must successfully complete 18 credit hours from the courses described in the minor's study plan.
3. Any course taken or to be taken by the student as part of his major study plan cannot count towards the minor and must be replaced by another course from the list of options available for the minor.

MINOR IN INFORMATION SYSTEMS

Study Plan

The Minor in Information Systems provides a range of courses to suit requirements of students of different majors. The study plan of the Minor in Information Systems is as follows:

(e) Compulsory Courses* (9 Credit Hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs	Prerequisite
INS 305	Systems Analysis and Design	2	2	0	3	INT 102
INS 402	Business Intelligence and Data Warehousing	3	0	0	3	INT 302
INT 302	Database Management Systems	2	2	0	3	INT 102 INT 103

** A compulsory course which is part of the student's major must be replaced by another optional course.*

(f) Optional Courses** (6 credit hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs	Prerequisite
INS 307	Business Process Management	3	0	2	3	INS 307
INS 404	Information Systems Strategy and Acquisition	3	0	0	3	INT 307
INT 307	IT Project Management	2	2	0	3	INS 305

***An optional course which is part of the student's major cannot be taken.*

Admission and Completion Requirements

The admission and completion requirements are specified in AU's Minor Programs Policy in addition to the following requirements:

1. Students with a computing major (such as: Information Technology, Computer Science, Information Systems, Computer Engineering) are not eligible to register for a Minor in Information Systems.
2. Students accepted for a Minor in Information Systems must successfully complete 15 credit hours from the courses described in the minor's study plan.
3. Any course taken or to be taken by the student as part of his major study plan cannot count towards the minor and must be replaced by another course from the list of options available for the minor.

MINOR IN INFORMATION TECHNOLOGY

Study Plan-A

The study plan of the Minor in Information Technology for students with a major in an Engineering discipline, except Computer Engineering is as follows:

Compulsory Courses (9 Credit Hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 201	Object Oriented Programming	2	2	0	3	INT 102
INT 302	Database Management Systems	2	2	0	3	INT 201
INT 206	Fundamentals of Web Systems	2	2	0	3	INT 201

** Or equivalent prerequisite.*

(g) Optional Courses (6 credit hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INS 402	Business Intelligence and Data Warehousing	3	0	0	3	INT 302
INT 322	Web Technologies	2	2	0	3	INT 206
INT 424	E-Commerce	2	2	0	3	INT 322

Admission and Completion Requirements

The admission and completion requirements are specified in AU's Minor Programs Policy in addition to the following requirements:

1. Students with a computing major (such as: Information Technology, Computer Science, Information Systems, Computer Engineering) are not eligible to apply for a Minor in Information Technology.
2. Students accepted for a Minor in Information Technology must successfully complete 15 credit hours from the courses described in the minor's study plan.
3. Any course taken or to be taken by the student as part of his major study plan cannot count towards the minor and must be replaced by another course from the list of options available for the minor.

MINOR IN INFORMATION TECHNOLOGY

Study Plan-B

The study plan of the Minor in Information Technology for students of all other colleges except the College of Engineering & IT is as follows:

(h) Compulsory Courses (12 Credit Hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 102	Algorithms and Problem Solving	2	2	0	0	-
INT 201	Object Oriented Programming	2	2	0	3	INT 102
INT 302	Database Management Systems	2	2	0	3	INT 201
INT 206	Fundamentals of Web Systems	2	2	0	3	INT 201

(i) Optional Courses (6 credit hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INS 402	Business Intelligence and Data Warehousing	3	0	0	3	INT 302
INT 322	Web Technologies	2	2	0	3	INT 206
INT 424	E-Commerce	2	2	0	3	INT 322

Admission and Completion Requirements

The admission and completion requirements are specified in AU's Minor Programs Policy in addition to the following requirements:

1. Students with a computing major (such as: Information Technology, Computer Science, Information Systems, Computer Engineering) or Engineering Major are not eligible to register for a minor in Information Technology.
2. Students accepted for a Minor in Information Technology must successfully complete 18 credit hours from the courses described in the minor's study plan.
3. Any course taken or to be taken by the student as part of his major study plan cannot count towards the minor and must be replaced by another course from the list of options available for the minor.

MINOR IN NETWORKING and SECURITY

Study Plan

The study plan of the Minor in Networking & Security for students with a major in an Engineering discipline except Computer Engineering is as follows:

(j) Compulsory Courses (9 Credit Hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 303	Fundamentals of Information security	3	0	0	3	INT 205*
INT 311	Advanced Computer Networks	2	2	0	3	INT 205*
INT 312	Network Security	2	2	0	3	INT 303

** Or equivalent prerequisite.*

(k) Optional Courses (6 credit hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 411	Network Design and Implementation	2	2	0	3	INT 311
INT 412	Wireless and Mobile Computing	2	2	0	3	INT 312
INT 414	Enterprise Security	3	0	0	3	INT 312
INT 415	Network Management	2	2	0	3	INT 311

Admission and Completion Requirements

The admission and completion requirements are specified in AU's Minor Programs Policy in addition to the following requirements:

1. Students with a computing major (such as: Information Technology, Computer Science, Information Systems, Computer Engineering) are not eligible to register for a minor in Networking & Security.
2. Students accepted for a Minor in Networking and Security must successfully complete 15 credit hours from the courses described in the minor's study plan.
3. Any course taken or to be taken by the student as part of his major study plan cannot count towards the minor and must be replaced by another course from the list of options available for the minor.

MINOR IN WEB DEVELOPMENT

Study Plan-A

The study plan of the Minor in Web Development for students with a major in an Engineering discipline except Computer Engineering is as follows:

(l) Compulsory Courses (9 Credit Hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 201	Object Oriented Programming	2	2	0	3	INT 102*
INT 206	Fundamentals of Web Systems	2	2	0	3	INT 201
INT 322	Web Technologies	2	2	0	3	INT 206

** Or equivalent prerequisite.*

(m) Optional Courses (6 credit hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 302	Database Management Systems	2	2	0	3	INT 201
INT 421	Web Application Design and Development	2	2	0	3	INT 322
INT 427	Advanced Web Topics	2	2	0	3	INT 322

Admission and Completion Requirements

The admission and completion requirements are specified in AU's Minor Programs Policy in addition to the following requirements:

1. Students with a computing major (such as: Information Technology, Computer Science, Information Systems, Computer Engineering) are not eligible to register for a minor in Web Development.
2. Students accepted for a Minor in Web Development must successfully complete 15 credit hours from the courses described in the minor's study plan.
3. Any course taken or to be taken by the student as part of his major study plan cannot count towards the minor and must be replaced by another course from the list of options available for the minor.

MINOR IN WEB DEVELOPMENT

Study Plan-B

The study plan of the Minor in Web Development for students of other colleges except the College of Engineering & IT is as follows:

(n) Compulsory Courses (12 Credit Hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 102	Algorithms and Problem Solving	2	2	0	3	-
INT 201	Object Oriented Programming	2	2	0	3	INT 102
INT 206	Fundamentals of Web Systems	2	2	0	3	INT 201
INT 322	Web Technologies	2	2	0	3	INT 206

(o) Optional Courses (6 credit hours)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
INT 302	Database Management Systems	2	2	0	3	INT 201
INT 421	Web Application Design and Development	2	2	0	3	INT 322
INT 427	Advanced Web Topics	2	2	0	3	INT 322

Admission and Completion Requirements

The admission and completion requirements are specified in AU's Minor Programs Policy in addition to the following requirements:

1. Students with a computing major (such as: Information Technology, Computer Science, Information Systems, Computer Engineering) or an Engineering Majoe are not eligible to register for a minor in Web Development – Plan B.
1. Students accepted for a Minor in Web Development must successfully complete 18 credit hours from the courses described in the minor's study plan.
2. Any course taken or to be taken by the student as part of his major study plan cannot count towards the minor and must be replaced by another course from the list of options available for the minor.

Courses Descriptions

INS 201 Information Systems Management

Information systems management is the planning, acquisition, development and use of these systems. This course is designed to give students managerial view of information systems and its role in modern organizations to allow them to evaluate, adopt, and manage existing and new information systems. Topics include Information Systems in Business Today, Global E-business and Collaboration, Information Systems Organizations and Strategy, Achieving Operational Excellence and Customer Intimacy, E-commerce, Digital Goods, Managing Knowledge, Enhancing Decision Making, Building Information Systems, Managing Projects, Managing Global Systems.

INS 202 Business Statistics

This course provides students with good knowledge and skills related to: sampling Methods, parameters estimation, Confidence Intervals for Mean and Proportion; testing the hypothesis about Mean, Proportion, and Variance, for both finite and large populations, and to design and use the Analysis of Variance.

INS 206 Communication Management

The course aims at equipping the students with effective business communication skills. The course provides a thorough practice in business letters, memos, reports, resumes and job applications. In addition to developing written communication, the course teaches verbal communication skills such as speeches, interviews, and other dyadic forms of communication. The entire teaching process is focused on building effective communication skills among students.

INS 303 Fundamentals of Computer Systems

This course covers concepts of computer organization and architecture, main types of memory; central processing unit, memory addressing; principles and concepts of modern operating systems; operating system services: processes and process management, memory management; file systems; multitasking and multithreading; operating system security and configuration; Input/output devices and control; virtualization of computing services.

INS 305 System Analysis and Design

This course introduces the phases of the system development cycle. Topics include: Systems Development Methodologies, Project Team Roles and Skills; software project planning; requirement analysis phase; system design; Human Computer Interaction Layer Design; Physical Architecture Layer Design; and implementation phase. Systems analysis and design using UML will be discussed.

INS 307 Business Process Management

The course introduces the methods and techniques required to analyze, design, implement, automate, and evaluate business processes. Structured along the phases of the Business Process Management (BPM) life cycle, students learn to analyze organizational performance from a process perspective, redesign processes using value-focused techniques, design workflows and implement them in BPM systems, simulate new process designs, and create process analytics applications. The course leads students from process discovery through conceptual and technical process design through the implementation of workflows to the structure of process-aware information systems.

INS 309 Knowledge Management

The aim of this course is to introduce basic concepts, terminologies, tools, and techniques of Knowledge Management (KM). Topics covered include: the origins and units of organizational knowledge; knowledge management life-cycle models, knowledge management implementation models, knowledge capture and codification, knowledge sharing, knowledge management tools and knowledge management strategies.

INS 401 Change Management

Continuous change is inevitable in all organizations for technical, financial, or human reasons. Change management can make the difference between chaos and order, depending on how we understand and manage it. This course provides students with an understanding of the principles, objectives, implementing, and managing changes. Among the topics that Students will be able to master, include comprehending the complexity of change within organizational cultures and systems, managing resistance for change, and understanding the role of leader, manager, and change agent in change management. Besides theoretical component, students will be given case studies to build concrete understanding of real-life examples.

INS 402 Business Intelligence and Data Warehousing

Today's IT deals with gigantic amount of information. The success of any organization greatly depends on its ability to process and understand its information and extract essential knowledge to help managers take well informed decisions. This course teaches students the basic of data warehouse and how to deal with business intelligence – an information technology approach to data collection, data storage and data analysis to support a wide variety of management tasks, from performance evaluation to trend spotting and policy making. The students learn effective modeling techniques and use them to extract business intelligence and present them to users.

INS 404 Information Systems Strategy & Acquisition

This advanced course examines how IT enables organizations to conduct business in radically different and more effective ways. The course defines high-level IT infrastructure and Information Systems that support the operational and strategic needs of organizations. It develops also a framework that will allow IS leaders to assess existing IT infrastructures and emerging technologies as well as how these enabling technologies might affect organizational strategy.

INS 405 Information Systems Project

This course aims to give students the opportunity to work in a guided but independent fashion to investigate a problem by making use of information technology knowledge, techniques, and methodologies acquired in the previous semesters to provide a suitable solution to an IT problem. The course also aims to enhance teamwork and communication skills, both oral and written as well as ethical issues involved.

INS 406 IT Resource Management

This course addresses the tactical/operational responsibilities and roles of the IT Management, and the governance considerations that link the IS-business organizations. The focus is on current/emerging issues in creating and coordinating the key activities necessary to manage the day-to-day operations of the IS function, and coordinating the skills and organizational IS infrastructure.

INS 407 Selected Topics in Information Systems

This course aims to introduce students to new developments in the area of information systems not specifically covered in the curriculum and in which a faculty member has developed interest and proficiency. The intention is to provide a rapid response to current trends and to widen student's knowledge in different areas if IS. Specific content of the course will depend on the particular area taught at the time.

INS 408 Information Systems Internship

Internship familiarizes students with actual working environments. It gives students the opportunity to integrate their knowledge and skills learned in the course by applying it to real world problems encountered in business and industry. Internship also gives the student a feeling of what is involved in working on actual information technology problems and develop communication and team-work skills as well as ethical issues relation to IT.

INS 409 Individual Project

This course aims to give students the opportunity to work *alone* in a guided but independent fashion to investigate a problem by making use of information systems knowledge, techniques, and methodologies acquired in the previous semesters to provide a suitable solution to an IT problem. The course also aims to develop communication skills, both oral and written.

INS 411 IT Services and Operations Management

This course provides a detailed, modular introduction to the concepts, terms, definitions, benefits, objectives, and relationships within IT service management processes and functions, according to the ITIL best practice framework. It is based on principles described in ITIL's Service Support and Service Delivery Standards. It provides a practical understanding of ITIL key concepts, principles, processes, and functions.

INS 412 Project Planning, Scheduling and Cost Control

Most failures of projects are related to either *schedule delays*, or *cost overrun* or both. A balanced cost and time management is in the core of project management, and successful projects will need extensive attention to budget performance, which is strongly coupled to schedule. This course will explore recent methods and techniques which integrate technical, schedule, and cost objectives to enhance control on projects and ensure their success and timely termination. The course will allow students to get deep understanding of the many factors that affect project time and cost performance, and teaches them how to employ best practices, well known templates, methods and techniques to observe and control them.

INS 413 Project Quality and Risk Management

Project Quality and Risk management are forward looking disciplines, which try to identify potential future problems and plan for effective mitigation or avoidance techniques, leading to greater success in projects and business in general. While it covers all aspects of an organization, this course will introduce students to analytical and mathematical models to enable them measure and evaluate risks and quality related to IS projects.

INS 422 E-Marketing

The course describes common strategies for the marketing of goods and services via the Internet range from public relations and corporate communications to advertising and electronic commerce. Students investigate and evaluate various marketing and communication strategies and tactics for the World Wide Web. Emphasis is placed on critical evaluation skills as well as

Web site planning, development, design, and other factors, which contribute to a Web site's success.

INT 102 Algorithms and Problem Solving

This course provides knowledge and skill of problem solving and programming concepts using pseudo code and a computer programming language. Topics cover: the problem- solving process; data types; variables, constants, and memory locations; simple sequential programs; basic input/output; selection and repetition control structures; arrays and strings; and user-defined functions.

INT 103 Information Technology in Business

This course aims to cover a range of general information technology topics that will make the student appreciate the role of IT in business. Topics include: information technology fundamentals; information technologies; business applications; development processes; and ethical, societal and security issues.

INT 201 Object Oriented Programming

The primary objective of this course is to introduce the concepts of object-oriented programming: classes, objects, methods, object interaction, encapsulation, inheritance, container classes, polymorphism, exception handling, and recursive algorithms. This course is not meant as a comprehensive introduction to all of Java concepts such as applets and socket programming.

INT 203 Computer organization

This course covers the organization of the von Neumann machine, explains how instructions are fetched from memory and executed, how numerical values are represented in digital computers, identifies the main types of memory used and design of simple computer interface.

INT 204 Data Structures and Algorithms

The course covers concepts of program performance (time and space complexity); abstract data types; recursion; abstract data structures: lists, stacks, queues, graphs, trees, binary search trees, priority queues, heaps, and operations on them and their applications; sorting; searching and hashing.

INT 205 Fundamental of Data Communications and Networking

Introduction to computer networks and the Internet. Protocol layers and the OSI model. Application layer: HTTP, FTP, SMTP, POP3, DNS and peer-to-peer applications. Transport layer: UDP, TCP and congestion control. Network layer: virtual circuits, routers, IP protocols and routing algorithms. Link layer: error detection and correction, multiple access, MAC addressing, switches, ARP, Ethernet, local area networks and wide area networks. Wireless and mobile networks.

INT 206 Fundamentals of Web Systems

This course introduces the basics of Web systems and how it differs from desktop systems. Students will learn client-server architecture, and how it evolves to multitier system. The course will allow student to learn and use essential Web languages and technologies including XHTML, CSS, and XML. Students will apply this knowledge to generate essential web components like basic browser controls (buttons, links, and menus), forms and frames. They will also understand how these components are managed on the server side.

INT 208 Computerized Accounting

The Computerized accounting information system joins together the skill sets of accounting and information technology. Information technology has created new challenges and opportunities for accountants who also have expertise in information systems. Many traditional accounting functions are now embodied in systems that require a different combination of technical and financial knowledge. The CAIS course is designed to provide this combination of knowledge and skill sets to meet the new challenges and opportunities of the information technology world. The main objective of the course is to introduce students to the design and implementation of a systematic structure for providing information for decision-making.

INT 302 Database Management Systems

This course is designed to give a theoretical and practical background in database techniques. It covers: database concepts, data models, data dictionary, entity relationship diagrams, and relational data model, converting E-R models to relational model, SQL language, and normalization. Oracle software is used in the Lab.

INT 303 Fundamental of Information Security

This course aims at introducing fundamental security concepts to students. Main security threats and related countermeasures are presented. Students will learn the importance of protecting information stored on computer systems from unauthorized access. The students will also learn how to encrypt and decrypt information, control access to objects and recommend a secure system implementation.

INT 304 human Computer Interaction

Concepts, human information processing (cognition, perception, movement, culture, communication, human diversity, motivation for computer interaction, human performance models, etc.), user interface design principles, information presentation, visual, auditory and tactile displays, speech communication, data entry, controls, tools and feedback, human factors in computer programming, workspace design, environmental and legal considerations. We will study the modeling, the building and the evaluation aspects.

INT 305 Fundamentals of Software Engineering

The course emphasizes object-oriented techniques and the use of UML. Topics covered in this course include: overview of the software engineering process, software process models, UML syntax and semantics, software requirement analysis, software design principles and models, component-level design, and software testing. Student will work in teams on software projects.

INT 306 Computer Ethics and Professional Practices

This course will examine the ethical issues that arise in the use of computers, and the responsibilities of those who work with computers, either as computer science professionals or end users. Topics covered include: legal, social and ethical issues surrounding computer technology and its use; privacy; intellectual property rights and copy right laws; information technology code of ethics; issues of privacy and confidentiality; risks of using computers; and computer crime: computer viruses, hacking, phishing & pharming, scams, etc.

INT 307 Information Technology Project Management

This course aims cover: characteristics of IT Project management, initiating an IT project; project planning; defining and managing project scope, structuring a project, project schedule and budget,

managing project risk, project communication, tracking, and reporting, IT project quality management, ethics and professional practices, and project implementation.

INT 308 Enterprise Systems

This course introduces students to the new concept of enterprise systems and shows its role in the industry as used by medium and large enterprises. Students will understand the main architectural components of today's enterprise and its infrastructure. The course also introduce different business domain concepts and workflow management and will help student make the link between development and implementation issues on one side and practical enterprise applications on the other side.

INT 309 Cloud Computing

This course aims to introduce students to theory and practice of cloud computing. Topics include: introduction to cloud computing; parallel and distributed systems; cloud infrastructure; applications and paradigms; resource virtualization; resource management and scheduling; networking support; cloud storage systems; cloud security.

INT 311 Advanced Computer Networks

This course will cover the principles of networking with a focus on algorithms, protocols, and implementations for advanced networking services. We will examine a variety of ideas that were proposed to enhance the Internet, why some of these enhancements were successful while others were not. The emphasis in this course is on topics such as routing protocols, advanced routing and switching. It covers Internet architecture, congestion control, QoS, IPv6, and voice over IP. The student will use network simulators for some network models.

INT 312 Network Security

This course introduces students to main security concepts related to the protection of a network from known threats and attacks. This includes digital signatures, authentication protocols, IP & Web security and e-mail security. It also emphasizes the importance of using firewalls in order to secure a network. Packet-filtering routers, application and circuit-level gateways are presented. Advanced cryptographic algorithms are also discussed in details such AES, MAC & hash operations and cipher modes.

INT 321 Database Administration

This course prepares students to administer and maintain databases by applying best practices and procedures to any database platform. With general, platform independent approach, students will be able to work as database administrators to any of the major industrial databases including Oracle, IBM BD2, Sybase, Microsoft and MySQL. Students will become familiar with DBA roles and responsibilities, be able to create a database environment with modeling and normalization as well as reporting while maintaining data integrity.

INT 322 Web Technologies

This course will introduce students to different Web technologies, languages, and frameworks. The student will review the dynamics of these technologies, their advantages and disadvantages. Students will also learn the applicability of each of these technologies in different Web application settings and environment. Students will also learn how to mix and match these technologies and investigate their compatibility and integration challenges.

INT 411 Network Design & Implementation

The aim of the course is for the student to design a LAN solution detailing structured cabling components, desktop and server hardware, network operating systems, and network administration tools. He can document the design solution with materials and equipment lists, cable installation drawings, telecommunications and server room layouts, software versions and compatibility lists, and budget requirements. Also he demonstrates design feasibility by implementing a LAN prototype with all required functionality including servers, workstations and network infrastructure. This course defines a technical project plan and timeline for implementation, and discussing overall project benefits, possible technical issues and required resources to complete the project.

INT 412 Wireless and Mobile Computing

This course presents the student with the latest in wireless technologies. The first part includes wireless networks such as, cellular and short range wireless technologies, protocols for wireless and wireless resources management. The second part includes mobile computing such as, VoIP on wireless, computing & programming over wireless. The student will study the legal and the private issues associated with wireless.

INT 414 Enterprise Security

This course aims at introducing students to enterprise security concepts, related risks and cost. It mainly presents a deep coverage of intrusion detection and prevention concepts, including architectures and a survey of most popular IDS implementations and deployments. Students are also introduced to the need of having proper security policies and procedures in order to handle threats properly in addition to forensics techniques to thwart computer attacks.

INT 415 Network Management

The course discusses typical architectures for network management including the management console, aggregators and device agents. This course introduces management paradigms and protocols (SNMP). Remote Monitoring (RMON), Network Management Tools and Systems are examined. The Web-Based Management and Network Management Applications are covered. Configuration of basic network resources and management of multiple servers' network and troubleshooting.

INT 421 Web Application Design and Development

This course prepares students to apply different web technologies and integrate them into a web application. Topics covered include: Web applications and Rich Internet Applications (RIA), programmable Web applications, working with proxies, Yahoo and Google mash up services, Creating a Web application, model view controller pattern, from design, validation and usability, User Interaction Effects and Animation, and Tagging and Rating the Web Application.

INT 423 Advanced Database Design & Implementation

This course builds on top of the first DBMS course by introducing advanced database concepts to allow students to effectively design and implement industrial quality database. The course revisits SQL in a deeper, more practical approach, with a focus on its PL/SQL extension. The student will learn database in a client-server setting, and see how to manage multi-user databases. Students will be able to design and implement functional databases that include major components of an industrial database.

INT 424 E-Commerce

This course aims to expose students to the theory and practice of e-commerce. Topics covered are: Introduction to E-Commerce, E-Commerce Technology Infrastructure, Revenue models, Marketing on the web, Business-to-business online strategies, Web server hardware and software, E-Commerce Commercial Software, E-Commerce security, Payment Systems, and Planning for e-commerce business

INT 427 Advanced Web Topics

This course introduces students to the latest trends and technologies as used by today's information technology industry. The course focuses on advanced Web technologies that are strongly adapted as the next generation IT. Students will learn the role of Web 2.0 and Web 3.0 with special focus on Web services and Service-Oriented Architecture. The course will allow students to understand the current evolution from Personal Computing (1980s) to Network Computing (1990s) to Internet and Windows (2000s) to today's trends of cloud computing, Web tool kits, mashups, and social networking.

Department Of Biomedical Engineering

Mission

The mission of the biomedical engineering program is to bridge the gap between conventional engineering and life sciences through graduates equipped with the theoretical knowledge and practical skills necessary for pursuing a successful professional career in the healthcare industry. The program also prepares its students for graduate studies.

Objectives

Biomedical Engineering program educational objectives are as follows:

Biomedical engineering graduates are:

1. Successful in applying theoretical knowledge and practical skills in the field of Biomedical Engineering.
2. Gainfully employed in the healthcare industry.
3. Successful in postgraduate studies.

Bachelor of Science in Biomedical Engineering

BME Program Learning Outcomes

By the time of graduation, the students must have:

(a) An ability to apply knowledge of mathematics, science, and engineering
(b) An ability to design and conduct experiments, as well as to analyze and interpret data
(c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
(d) an ability to function on multidisciplinary teams
(e) an ability to identify, formulate, and solve engineering problems
(f) an understanding of professional and ethical responsibility
(g) an ability to communicate effectively
(h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
(i) a recognition of the need for, and an ability to engage in life-long learning
(j) a knowledge of contemporary issues
(k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
(l) broad knowledge in the field of biomedical engineering.

Mapping of BME Program Learning Outcomes with Level–7 of the UAE's Qualifications Framework.

Descriptor Codes	QF Emirates Descriptor Statements (Level 7)	Related BME Program Outcome Codes
Knowledge		
K1	Specialized factual and theoretical knowledge and an understanding of the boundaries in a field of work or discipline, encompassing a broad and coherent body of knowledge and concepts, with substantive depth in the underlying principles and theoretical concepts.	**(a)**
K2	an understanding of allied knowledge and theories in related fields of work or disciplines and in the case of professional disciplines including related regulations, standards, codes, conventions	**(h), (l)**
K3	understanding of critical approach to the creation and compilation of a systematic and coherent body of knowledge and concepts gained from a range of sources	**(l)**
K4	a comprehensive understanding of critical analysis, research systems and methods and evaluative problem-solving techniques	**(e)**
K5	familiarity with sources of current and new research and knowledge with integration of concepts from outside fields	**(j)**
Skills		
S1	technical, creative and analytical skills appropriate to solving specialized problems using evidentiary and procedural based processes in predictable and new contexts that include devising and sustaining arguments associated with a field of work or discipline	**(c)**
S2	evaluating, selecting and applying appropriate methods, procedures or techniques in processes of investigation towards identified solutions	**(b)**
S3	evaluating and implementing appropriate research tools and strategies associated with the field of work or discipline	**(k)**
S4	highly developed advanced communication and information technology skills to present, explain and/or critique complex and unpredictable matters	**(g)**
Aspects of Competence		
Autonomy and responsibility		

CA1	can take responsibility for developing innovative and advanced approaches to evaluating and managing complex and unpredictable work procedures and processes, resources or learning	**(i)**
CA2	can manage technical, supervisory or design processes in unpredictable, unfamiliar and varying contexts	**(i)**
CA3	can work creatively and/or effectively as an individual, in team leadership, managing contexts, across technical or professional activities	**(d)**
CA4	can express an internalized, personal view, and accept responsibility to society at large and to socio-cultural norms and relationships	**(d), (f)**
Role in context		
CB1	can function with full autonomy in technical and supervisory contexts and adopt para-professional roles with little guidance	**(d)**
CB2	can take responsibility for the setting and achievement of group or individual outcomes and for the management and supervision of the work of others or self in the case of a specialization in field of work or discipline	**(d)**
CB3	can participate in peer relationships with qualified practitioners and lead multiple, complex groups	**(d)**
CB4	can take responsibility for managing the professional development and direct mentoring of individuals and groups	**(d)**
Self-development		
CC1	can self-evaluate and take responsibility for contributing to professional practice, and undertake regular professional development and/ or further learning can manage learning	**(i)**
CC2	can manage learning tasks independently and professionally, in complex and sometimes unfamiliar learning contexts	**(i)**
CC3	can contribute to and observe ethical standard.	**(f)**

Admission Requirements

Admission to the biomedical engineering program requires a UAE secondary school certificate (science major) or its equivalent with a minimum grade of 70 percent. For more information please refer to the university admissions policy.

Career Opportunities

Graduates will be qualified to work in the following areas:

- Healthcare facilities: biomedical engineering graduates are ideally suited to work as design and maintenance engineers for healthcare facilities such as hospitals and clinics
- Manufacturer's representatives and sales engineers: biomedical graduates have the technical knowledge required to communicate with a variety of health-care professionals, which enables them to act as representatives for manufacturers and suppliers of medical equipment and services
- Design and development: biomedical engineering graduates can work in companies on the design, development and testing of medical devices and systems.
- Management: program engineering graduates background in technology will allow them to be trained as managers in organizations dealing with healthcare and biological products
- Consultancy: biomedical engineering graduates are able to join consultancy agencies which provide advice for healthcare authorities regarding standards and quality evaluation of clinical facilities and services.

Graduation Requirements

The Bachelor of Science Degree is awarded upon the fulfillment of the following:

- Successful completion of all courses in the curriculum
- Successful completion of the equivalent of four months of engineering training
- Cumulative Grade Point Average CGPA of at least 2.

Degree Requirement

The B.Sc. degree in biomedical engineering requires the completion of 141Cr. Hrs. classified as follows:

Type of Courses	Credit hours
1. University General Education Requirements	
(a) University Required Courses	15
(b) University Elective Courses	9
2. College Required Courses	30
4. Specialization Required Courses	68
4. Specialization Elective Courses	9
5 Biomedical Design Projects I & II	6
6. Engineering Training	4
Total Credit Hours	141

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

(a) University Required Courses (15 Cr.Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
101000	Orientation	1	0	0	0	-
ISL114	Islamic Culture	3	0	1	3	-
ARB111	Communication Skills in Arabic Language	3	0	0	3	-
STA112	Statistics	2	2	0	3	-
COM111	Computer Applications	2	2	0	3	-
ENV111	Environmental Sciences	3	0	0	3	-

(b)University Elective Courses (9 Cr.Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
102120	The Miraculousness of the Holy Koran	3	0	0	3	-
103130	Research Methodology	3	0	0	3	-
112110	Principles of Architecture & Art	3	0	0	3	-
112120	Principles of Interior Design	3	0	0	3	-
112130	Modern Technology and Society	3	0	0	3	-
113110	Internet Concepts	3	0	0	3	-
113120	Introduction to Information Systems	3	0	0	3	-
114110	Economic Concepts	3	0	0	3	-
114120	Entrepreneurship Development	3	0	0	3	-
115110	History of science in Islam	3	0	0	3	-
115120	Scientific pioneering	3	0	0	3	-
115130-	General psychology	3	0	0	3	-
115140	Principle of mathematics	3	0	0	3	-
115150	The Art of Expression and writing	3	0	0	3	-
115160	Emirates Society	3	0	0	3	-
115170	Education Technology	3	0	0	3	-
117110	General chemistry	3	0	0	3	-
117120	Fundamental of Human Nutrition	3	0	0	3	-
117130	First Aid	3	0	0	3	-
117150	Applications of Remote sensing	3	0	0	3	-
118110	Principles of Ethics	3	0	0	3	-
118120	General Biology	3	0	0	3	-

118130	Oral Health	3	0	0	3	-
118140	General principles of Epidemiology	3	0	0	3	-
118150	CPR-Cardio Pulmonary Resuscitation	3	0	0	3	-
119110	Communication Skills	3	0	0	3	-
119120	Introduction to Communication Sociology	3	0	0	3	-
119130	Information Society	3	0	0	3	-
120115	Legal Culture	3	0	0	3	-
103130	Research Methodology	3	0	0	3	

1. College Required Courses (34 Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
BME499	Engineering Training	4	0	0	4	
ELE202	Logic Design	3	2	2	4	104110
MTH121	Engineering Mathematics I	3	0	2	3	----------
MTH122	Engineering Mathematics II	3	0	2	3	217101
PHY121	Engineering Physics I	3	2	2	4	----
PHY122	Engineering Physics II	3	2	2	4	----
CHE101	Chemistry for Engineers	2	2	0	3	-------
MTH221	Engineering Mathematics III	3	0	2	3	217102
MTH222	Engineering Mathematics IV	3	0	2	3	217203
ELE301	Report Writing and Presentation	3	0	1	3	218151-6

(b) Specialization Required Courses (74 Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
BME202	Biochemistry	2	2	0	3	217 141
BME102	Biology	3	2	0	4	
BME101	Introduction to Biomedical Engineering	1	0	2	1	
BME103	Computer Programming	3	0	2	3	104 110
BME201	Circuit Analysis	3	2	2	4	217 101, 217 122
BME205	Electronic Circuits	3	2	2	4	218 229
BME203	Human Anatomy	2	2	0	3	218 141
BME204	Human Physiology	2	2	0	3	218 242
BME301	Microcontrollers and Computer Interfacing	3	2	0	4	213 235
BME305	Electrophysiology	2	2	0	3	218 245

BME304	Biomaterials Basics and Applications	3	0	2	3	217 141, 218 242
BME308	Bio-mechanics	3	0	2	3	217 121, 218 242
BME302	Medical Electronics	2	2	2	3	218 233, 218 245
BME307	Medical Instrumentation I	3	0	0	3	218 361, 218 346
BME303	Signals and Systems	3	0	2	3	217 203
BME309	Biomedical Design	2	2	0	3	218 361
BME403	Medical Instrumentation II	3	2	0	4	218 3650
BME306	Biomedical Imaging Systems. I	3	0	2	3	2182450
BME402	Biomedical Imaging Systems. II	3	2	0	4	2184710
BME401	Bio-Signal Processing	3	2	2	4	2183756
BME404	Directed Study in Biomedical Engineering	3	0	2	3	Senior Standing
BME491	Biomedical Design Project I	1	4	0	3	2183920
BME492	Biomedical Design Project II	1	4	0	3	218 4980

c) Specialization Electives Courses (9 Cr. Hrs.)

The student will take two of the following Specialization Electives as approved by the academic advisor.

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
BME452	Physiological Modeling and Control Systems	2	2	0	3	218 245
BME455	Bio-fluid Mechanics	3	0	0	3	218 356
BME453	IT and Computer Networks in Health-care	3	0	2	3	218 337-1
BME456	Artificial Neural Networks and Fuzzy Logic	3	0	2	3	217 204
BME457	Biomedical Image Processing	2	2	0	3	218 375-6
BME451	Artificial Organs	3	0	0	3	218 245
BME458	Selected Topics in Biomedical Engineering	3	0	0	3	Senior Standing
BME454	Rehabilitation Engineering	3	0	0	3	218 365, 2182450

Course Sequence

First Year

First Semester:

Course Code	Course Title	Credit Hrs	Lec. Hrs	Lab. Hrs	Tut. Hrs	Prerequisite
101 000	Orientation	0	1	0	0	--
MTH121	Engineering Mathematics I	3	3	0	2	--
PHY121	Engineering Physics I	4	3	2	2	--

CHE101	Chemistry for Engineers	3	2	2	0	--
BME102	Biology	4	3	2	0	-
COM111	Computer Applications	3	2	2	0	-
BME101	Introduction to Biomedical Engineering	1	1	0	2	--
		18	15	8	6	

Second Semester

Course Code	Course Title	Credit Hrs	Lec. Hrs	Lab. Hrs	Tut. Hrs	Prerequisite
BME103	Computer Programming	3	3	0	2	104 110
MTH122	Engineering Mathematics II	3	3	0	2	217 101
PHY122	Engineering Physics II	4	3	2	2	--
BME202	Biochemistry	3	2	2	0	217 141
ARB111	Communication Skills in Arabic Language	3	3	0	0	---
xxx xxx	University Elective I	3	3	0	0	Advisor's Approval
		19	17	4	6	

Summer Semester

Course Code	Course Title	Credit Hrs	Lec. Hrs	Lab. Hrs	Tut. Hrs	Prerequisite
xxx xxx	University Elective II	3	3	0	0	Advisor's Approval
		3	3	0	0	

SECOND YEAR

First Semester

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ELE202	Logic Design	4	3	2	2	104 110
MTH221	Engineering Mathematics III	3	3	0	2	217 102
BME201	Circuit Analysis	4	3	2	2	217 122 217 101
BME203	Human Anatomy	3	2	2	0	218 141
ISL114	Islamic Culture	3	3	0	1	--
		17	14	6	7	

Second Semester

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
STA112	Statistics	3	2	2	0	--
MTH222	Engineering Mathematics IV	3	3	0	2	217 203
BME205	Electronic Circuits	4	3	2	2	218 229
BME204	Human Physiology	3	2	2	0	218 242
ELE301	Report Writing & Presentation	3	3	0	2	218 1516
		16	13	6	6	

THIRD YEAR

First Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
BME306	Biomedical Imaging System I	3	3	0	2	218 243
BME304	Biomaterials Basics and Applications	3	3	0	2	217 141 218 242
BME305	Electrophysiology	3	2	2	0	218 243
BME301	Microcontrollers and Computer Interface	4	3	2	0	213 235
BME302	Medical Electronics	3	2	2	2	218 233 218 243
		16	13	6	6	

INTERNAL TRAINING (2 Weeks in Spring Break)

Second Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
BME308	Bio-mechanics	3	3	0	2	217 121 218 242
BME307	Medical Instrumentation I	3	3	0	0	218 361 218 344
BME303	Signals and Systems	3	3	0	2	217 203
BME309	Biomedical Design	3	2	2	0	218 361
xxx xxx	University Elective III	3	3	0	0	Advisor's Approval
		15	14	2	4	

210 400: ENGINEERING TRAINING I (6 Weeks in Summer)

FOURTH (FINAL) YEAR

First Semester

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
BME402	Biomedical Imaging System II	4	3	2	0	218 471
BME401	Bio-Signal Processing	4	3	2	2	212 221
BME491	Biomedical Design Project I	3	1	4	0	218 391
114 130	Innovation & Entrepreneurship	3	3	0	0	
xxx xxx	BME Elective I	3	3	0	0	Advisor's Approval
		17	13	8	2	

Second Semester

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
BME403	Medical Instrumentation II	4	3	2	0	218 365
BME492	Biomedical Design Project II	3	1	4	0	218 498
BME404	Directed Studies in Biomedical Engineering	3	3	0	2	Department approval
xxx xxx	BME Elective II	3	3	0	0	Advisor's Approval
xxx xxx	BME Elective III	3	3	0	0	Advisor's Approval
		16	13	6	2	

210 400: ENGINEERING TRAINING II (6 Weeks in summer)

Course Descriptions

BME102 Biology (3-2-0,4)

Cell biology, cell membrane, mediated transport system, bulk transport, cytoplasm and nuclear cell biology, cell cycle and cell division, meiosis and gameto-genesis, primary tissues, connective tissues, muscle tissues, nerve tissues.

BME101 Introduction to Biomedical Engineering (1: 0: 2, 1)

History of biomedical engineering, disciplines of biomedical engineering, role of biomedical engineers in health care sector, challenges and future directions in biomedical engineering, moral and ethical issues in biomedical engineering, visits to hospitals, student seminars Pre-

BME201 Circuit Analysis **(3: 2: 2,4)**

Basic circuit variables, elements and Kirchoff's law, resistive circuit analysis and theorems, network theorems, time domain analysis, AC analysis, frequency characteristics of electric circuits, magnetic coupled circuits and two port elements. Pre-requisite: Engineering Physics II

COM111 Computer Application **(2: 2: 0,3)**

Introduction to information technology, operating systems, information systems, graphics and multimedia, networks and their uses, internet and information retrieval, electronic mail and news, computers and society, ethical issues, computer security issues.

ELE202 Logic Design **(3: 2: 2,4)**

Basic theorems and properties of Boolean Algebra and boolean functions. Simplification of Boolean Functions: Karnaugh Map and Tabulation (Quine-McCluskey) Method. Product of Sums (POS) and Sum of Products (SOP) forms. Combinational logic circuits: design and analysis procedures. Decoders, encoders, multiplexers, demultiplexers, ROM, PLA and PAL. Sequential logic circuits: Flip Flops (RS, D, JK, T), design procedure for clocked sequential circuits, counters. Registers and shift registers. Pre-requisite: Computer Applications

BME103 Computer Programming **(3: 0: 2,3)**

Flow charts and problem solving, data types, input output statements, C++ basics, functions, arrays and strings, pointers structures and unions, C++ preprocessor, MATLAB programming. Pre-requisite: Computer Applications

BME203 Human Anatomy **(2: 2: 0,3)**

An Introduction to the human body, the skeletal system, the axial skeleton and ribs, the appendicular skeleton, joints, the muscular system, thorax, abdomen, upper limb, lower limb Pre-requisite: Biology

BME204 Human Physiology **(2: 2: 0,3)**

Cell physiology, nervous system, muscles, cardiovascular systems, respiratory system, digestive system, urinary system, endocrine system. Pre-requisite: Human Anatomy

BME305 Electrophysiology **(2: 2: 0,3)**

Basics of electro-physiology, membrane models, resting potential, action potential, bio electrodes, the electrophysiology of bio potential signals- ECG, EEG, EMG, EOG, ERG etc. Pre-requisite: Human Physiology I

BME205 Electronics Circuits **(3,2: 2,4)**

Semiconductors and PN Junction, bipolar junction transistor (BJT) DC analysis, bipolar Junction Transistor (BJT) AC analysis, junction field effect transistor (JFET), biasing and amplifiers circuits. Pre-requisite: Circuit Analysis

BME301 Microprocessors and Microcontrollers (3: 2: 0,4)

The 8086 architecture and programming modes, assembly programming, the 8086 microprocessor instruction set, memory interface and I/O interface, interrupt processing, microcontrollers and applications. Pre-requisite: Logic Design

BME302 Medical Electronics (2: 2: 2,3)

Amplifiers and filters, bio-potential amplifiers, design of power system in medical electronics, oscillator circuits, Analog to digital converter (ADC), digital to analog converter (DAC) and data acquisition circuits. Pre-requisite: Electronic Circuits, Human Physiology I

BME308 Biomechanics (3: 0: 2,3)

Basics of anatomy and mechanics, applications involving forces and moments, statics and dynamics, Applications to human joints, Properties of deformable bodies, kinematics and kinetics, applications from real-life problems, contemporary issues: Motion analysis. Pre-requisite: Engineering Physics I, Human Anatomy

BME202 Biochemistry (2: 2: 0,3)

Structural organization and function of the major components of living cells, metabolism and energy production, and biosynthesis of small molecular weight compounds and macromolecules. Pre-requisite: Chemistry for Engineers

BME303 Signals and Systems (3: 0: 2,3)

Continuous- and discrete-time signals and systems. Basic system properties. Linear Time-Invariant (LTI) systems. Properties of LTI systems. Convolution sum. Fourier series of periodic signals. Amplitude, phase, and power spectra. Fourier transform of non-periodic signals. Laplace transform, analysis of continuous-time LTI systems using Laplace transform. Z-Transform. Pre-requisite: Engineering Mathematics III

BME307 Biomedical Instrumentation I (3: 0: 0,3)

Introduction to biomedical instrumentation, biomedical sensors and transducers, basic concepts of measurements and instrumentation, bio potential electrodes, clinical laboratory instrumentation. Pre-requisite: Medical Electronics, Human Physiology II

BME304 Biomaterials (3: 0: 2,3)

Introduction to biomaterials, structure and properties of materials, crystalline and non-crystalline materials, properties of biologic materials, biocompatibility, Metallic implant materials, ceramic implant materials, polymeric implant materials, composite implant materials. Pre-requisite: Chemistry for Engineers, Human Anatomy

BME401 Bio-signal Processing (3: 2: 2,4)

Nature of biomedical signals, frequency response, DFT, FFT, DCT, design of digital filters, nonlinear models of biomedical signals, DSP applications of bio-signals. Pre-requisite: Signals and Systems, Human Physiology II

BME403 Medical Instrumentation II **(3: 2: 0,4)**

Design procedure of medical equipment, bio-potential recording systems, blood pressure, flow and volume instrumentation systems, blood gas analyzers, pace-makers and defibrillators, electro-surgical, physiotherapy instruments, respiratory systems instruments Pre-requisite: Medical Instrumentation I

BME309 Biomedical Design **(2: 2: 2,3)**

Amplifiers and filters, bio-potential amplifiers, design of power supplies, oscillator circuits, and biomedical data acquisition circuits, mini projects related to biomedical engineering applications. Pre-requisite: Medical Electronics

BME491 Biomedical Design Project I **(1: 4: 0,3)**

Teams of three to four students shall design, implement, test and demonstrate their graduation project in two semesters. Biomedical design Project I is to be completed in one semester and includes a literature survey, action plan, design of complete project taking into account realistic constraints, computer simulation (if applicable). Pre-requisite: Completion of 100 Credit Hours

BME492 Biomedical Design Project II **(1: 4: 0,3)**

It is continuation of biomedical design project I in the second semester. Students will complete the implementation and testing of remaining part of their design. They will integrate the complete project, test it, and prepare a PCB. Report writing, oral presentation, poster presentation, and project demonstration. Pre-requisite: Biomedical Design Project I

BME306 Biomedical Imaging System I **(3: 0: 2,3)**

Radioactivity, X -ray physics and imaging techniques, Computed tomography (CT imaging), introduction to SPECT and PET imaging techniques, biological effects of radiation and safe handling. Pre-requisite: Engineering Physics II, Human Anatomy

BME402 Biomedical Imaging System II **(3: 2: 0,4)**

Medical ultrasound imaging techniques, modes of operation, magnetic resonance imaging techniques (MRI), principles of operation, components of MRI machines, computer based reconstruction, biological effects of magnetic fields, static magnetic fields, radio frequency fields, gradient magnetic fields. Pre-requisite: Medical Imaging System I

218 458 Biomedical Safety **(2: 0: 2,2)**

Introduction to the types of hazards in hospitals and clinics, electrical hazards safety requirements of power distribution in hospitals, biological, safety codes and standards for biomedical equipments and facilities, test instruments for checking safety parameters of medical instruments. Pre-requisite: Medical Instrumentation **II**

BME499 Engineering Training: 4Cr. Hrs

Pre-requisite: Approval of Academic Advisor

BME452 Physiological Modeling and Control **(2: 2: 0,3)**

Physiological modeling, static analysis of physiological systems, time domain analysis, frequency domain analysis, stability analysis. Pre-requisite: Human Physiology II

218 518 Tissue Engineering **(3: 0: 0, 3)**

Tissue engineering principles, cell, Intracellular signaling, control of cell growth, scaffolds, cell traction and migration, tissue regeneration and replacement, artificial organs, orthopedic tissue engineering, bioreactors and bio expansion. Pre-requisite: Biomaterials

BME451 Artificial Organs **(3: 0: 0, 3)**

Major types of artificial organs, artificial blood. artificial skin and dermal equivalents. artificial pancreas. Prosthetics and orthotics; artificial limbs, major joint implants, dental implants. Pre-requisite: Human Physiology II

BME455 Bio-fluid Mechanics **(3: 0: 0, 3)**

Fundamentals of fluid mechanics. Flow properties of blood, applications describing flow of air in the airways and flow of blood in large arteries. Pre-requisite: Biomechanics

BME453 IT and Computer Networks in Health-care **(2: 2: 0,3)**

Types and classification of computer networks, networks topology and wiring type, OSI layering model, design process of computer network, hospital information system, and modern application of computer networks in health-care. Pre-requisite: Microprocessors and Computer Interfacing

BME454 Rehabilitation Engineering **(3: 0: 0, 3)**

Introduction to rehabilitation engineering, disability, rehabilitation engineering technology, assistive devices, physiological and biomedical measurement techniques, disability assessment, application of rehabilitation engineering, prosthetics and orthotics. Pre-requisite: Medical Instrumentation I

BME456 Artificial Neural Networks and Fuzzy Logic **(3: 0: 0,3)**

Fuzzy logic fundamentals, fuzzy sets, types of membership functions, linguistic variables, creation of fuzzy logic rule base, fuzzy logic operations, neural network fundamentals, neural type learning process, single layer perception, artificial neural networks architectures, training algorithms, genetic algorithms and evolution computing, neuro-fuzzy technology, fuzzy control systems and applications related to biomedical engineering. Pre-requisite: Engineering Mathematics I

BME457 Biomedical Image Processing **(2: 2: 0,3)**

Digital image fundamentals, image transforms image enhancement, image restoration, image segmentation, representation and description, recognition and interpretation, image compression. Pre-requisite: Signals and Systems

College of Architecture, Art and Design

Vision

Ajman University, College of Architecture, Art and Design vision is to be a leading provider of architecture and interior design education focused on improving the quality of life in the built and natural environments on the local and global regions supported by research, focused on professional practice, and committed to sustainability.

Mission

Our mission within the College of Architecture, Art and Design is to cultivate a design-and technology-based 21st-century professional education. We seek this through a pedagogy that is critical, ethical and responsive to the natural, technological, cultural, social and futuristic environments.

Core values, or educational aspirations

- *Building Technology,* which highlights the importance we put on technology within our coursework. This value is manifested in a well developed academic environment.
- *Design Intelligence,* which refers to broad-based skills and intellectual accuracy that students learn by completing a challenging curriculum that emphasizes individual creativity.
- *Futuristic awareness*, which means changing the way of doing things much different than people get used to, since people need to experience new surprising built environments.
- *Leadership,* which is developed through the holistic and ethical educational experience at AU by working in collaboration with other institutions and organizations.

Departments

- Department of Architecture
- Department of Interior Design

Programs Offered

The College of Architecture offers the following programs:

Undergraduate Programs:

- **Graduate Program:** Master of Science in Urban Design

Admission Requirements for Undergraduate Programs

Admission to the College of Architecture, Art and Design requires a UAE secondary school certificate (science major) or its equivalent with a minimum grade of 70 percent for Architectural

Engineering and Building Engineering & Construction Management programs. For admission to the Interior Design program, the minimum acceptable grade is 60 percent (science or arts major).

For further information please refer to the University admissions policy.

Academic Staff

College members hold terminal degrees from internationally-recognized universities and are well versed in their areas of specialization.

Studios

The college provides a numerous number of studios which fulfil the needs of the students; to practice their design courses in an efficient way. All studios have the needful requirements and tools to perform healthy and practical sessions with good outcomes.

Lecture rooms

Students have a big spacious lecture hall, which is equipped with an interactive-board that facilitates the media of teaching. Lecture rooms are equipped to facilitate the use of audiovisual aids such as overhead projectors, slide projectors, computer projection devices and video players.

CAAD LAB

A CAAD laboratory has a set of software that are needed as a tool for the students to draw and express their design vision in 2D and 3D dimensional virtual environment. Our staff and technicians keep updating software frequently with respect to the students' requirements and the study of the market needs.

FABLAB

The Fabrication lab is a very vibrant laboratory that provides the tools and equipment for the students to explore and practice their capacities in model making. They have laser cutting machines and a 3D printer that exposes students to the up-to-date techniques and ease their approach to find out the best trials in modeling. The lab-supervisor keeps assisting and helping them along the time.

Building Science and lighting Lab

Building Construction Materials and the lighting types used in project are displayed in this lab. Students get to know the most trendy and used materials in executing buildings. They understand the usage of each of them and their application. The lab provides a showroom like experience for students and encourages them to explore more about such materials and lights.

Other Facilities

College of Architecture, Art and Design students have access to a wide range of university facilities including reading & reserve room, exhibition area, archive room, glass room, printing center, sports and recreation facilities, swimming pool, cafeteria and clinics.

Training

External training is an essential part of the curriculum of the College of Architecture, Art and Design. Students are required to complete external training lasting from three to four months (depending on the program). The College has extensive links with local organizations such as engineering companies and interior design companies, who offer on-site external training to college students. The aim of the external training program is to enable students to acquire practical skills, gain an understanding of the work environment and improve their communication skills.

Department of Architecture

The department of architecture is one of the main branches of the Collage of Architecture Art and Design. The department has three programs: Bachelor of Architectural Engineering, Bachelor of Building Engineering and Construction Management and Master in Urban Design. The department of architecture has worked locally, regionally and internationally to bring up to date programs that has significant impact in the society, and provide quality professional fields. The Department has accreditation form the higher minister in these programs and international validation from UIA UNISCO for the Architectural Engineering Program.

Bachelor of Science in Architectural Engineering

Mission

The mission of the Department of Architectural Engineering is to provide the society with graduates qualified for successful professional career in architectural engineering. The department focuses on teaching students the fundamental theoretical and practical principles of architecture and their application to solving real-world problems. Consistent with its mission, the Department of Architecture Engineering developed a learning program consisting of a number of practical and theoretical courses.

Goals

The main goals of the architectural engineering curriculum are to produce graduates who are:

- Equipped with design abilities to meet the requirements of architectural profession. This is based on theoretical knowledge and practical skills.
- Equipped with technical skills and their applications to solving design problems.
- Equipped with knowledge of local needs to enable them to adequately compete within the local and international professional environments.

AE Program Learning Outcomes

No.		Architectural Engineering Program Outcomes
Knowledge	POs	
K1	PO1	Demonstrate basic philosophy and ideology of architecture.
K2	PO2	Coordinate environmental studies in design proposals.
K3	PO3	Comprehend and apply and the knowledge of social and cultural studies in design proposals.
K4	PO4	Comprehend and apply the knowledge of science, mathematics and technology
K5	PO5	Comprehend and apply the knowledge of architectural practice and management.
Skills		
S1	PO6	Conceptualize, conceive and coordinated design in realm of contemporary issues and challenges of built environment.
S2	PO7	Communicate, demonstrate and implement the architectural solutions clearly
S3	PO8	Propose the architectural design in context of modern technology and engineering
S4	PO9	Design and evaluate the architectural design solutions through computers
S5	PO10	Analyze the design critically and foresee its consequences at occupational stage
Competencies Autonomy and responsibility		
C1	PO11	Apply the problem solving approach in conducting experiments, analyzing and interpreting data in proposed architectural design.
C2	PO12	Work independently as well as in teams across technical or professional activities .
Role in context		
C3	PO13	Team with multidisciplinary professions engaged in building design and construction process.
C4	PO14	Identify , formulate and solve design management problems
Self-development		
C5	PO15	Comprehend and apply the professional and ethical responsibilities in architectural practice
C6	PO16	Identify and adopt the market trends to compete in professional market.

MAPPING THE ARCHITECTURAL PROGRAM OUTCOMES

UAE'S QUALIFICATIONS FRAMEWORKS/ LEARNING OUTCOMES STRANDS

No.	Architectural Engineering Program Outcomes	UAE Qualifications Framework Strands of Learning Outcomes				
		Strand 1	Strand 2	Strand 3	Strand 4	Strand 5
1	Demonstrate basic philosophy and ideology of	X				
2	Coordinate environmental studies in design	X				
3	Comprehend and apply and the knowledge of social and cultural studies in design proposals.	X				
4	Comprehend and apply the knowledge of science, mathematics and technology	X				
5	Comprehend and apply the knowledge of architectural practice and management.	X				
6	Conceptualize, conceive and coordinated design in realm of contemporary issues and challenges of		X			
7	Communicate, demonstrate and implement the architectural solutions clearly		X			
8	Propose the architectural design in context of modern technology and engineering		X			
9	Design and evaluate the architectural design solutions through computers		X			
10	Analyze the design critically and foresee its consequences at occupational stage		X			
11	Apply the problem solving approach in conducting experiments, analyzing and interpreting data in proposed architectural design.			X		
12	Work independently as well as in teams across technical or professional activities			X		
13	Team with multidisciplinary professions engaged in building design and construction process.				X	
14	Identify , formulate and to solve the design management problems				X	
15	Comprehend and apply the professional and ethical responsibilities in architectural practice					X
16	Identify and adopt the market trends to compete in professional market.					X

Admission Requirements

Admission to the Architectural Engineering program requires a UAE secondary school certificate (science major), or its equivalent, with a minimum acceptable grade of 70 percent. For more information please refer to the university admissions policy.

Career Opportunities

Because of the multidisciplinary nature of the curriculum, graduates are qualified for employment in a variety of areas. They can work, for example, as designers and construction managers, or join city planning or community agencies and governmental authorities. Alternatively they can become building contractors. As graduates are trained in problem-solving they are able to adapt to a range of jobs in both the public and private sector.

Graduation Requirements

The Bachelor of Science in Architectural engineering is awarded upon fulfillment of the following:

- Successful completion of all courses in the prescribed curriculum
- Successful completion of four months' engineering training
- The Cumulative Grade Point Average CGPA is at least 2.0.

Degree Requirement

The B.Sc. degree in Architectural Engineering requires the completion of 170 Cr. Hrs. circulated according to the following plan:

Type of Courses	Credit hours
1. University General Education Requirements	
(a) University Required Courses	15
(b) University Elective Courses	9
2. College Required courses	9
4. Specialization required courses	118
4. Specialization Elective courses	9
5 Graduation projects I & II	10
Total Credit Hours	170

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

(a) University Required Courses (15 Cr.Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ORN 111	Orientation	1	0	0	0	-
ISL 114	Islamic Culture	3	0	1	3	-
ARB 111	Communication Skills in Arabic Language	3	0	0	3	-
STA 112	Statistics	2	2	0	3	-
COM 111	Computer Applications	2	2	0	3	-
ENV 111	Environmental Sciences	3	0	0	3	-

(b)University Elective Courses (9 Cr.Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ISL 113	The Miraculousness of the Holy Koran	3	0	0	3	-
RES 211	Research Methodology	3	0	0	3	-
ARC 211	Principles of Architecture & Art	3	0	0	3	-
DES 211	Principles of Interior Design	3	0	0	3	-
SOC 211	Modern Technology and Society	3	0	0	3	-
INT 211	Internet Concepts	3	0	0	3	-
INF 212	Introduction to Information Systems	3	0	0	3	-
ECO 211	Economic Concepts	3	0	0	3	-
ENT 211	Entrepreneurship Development	3	0	0	3	-
ISH 111	History of science in Islam	3	0	0	3	-
PIO 211	Scientific pioneering	3	0	0	3	-
PSY 111	General psychology	3	0	0	3	-
MTH 111	Principle of mathematics	3	0	0	3	-
ARB 113	The Art of Expression and writing	3	0	0	3	-
EMS 111	Emirates Society	3	0	0	3	-
EDT 211	Education Technology	3	0	0	3	-
CHM 111	General chemistry	3	0	0	3	-
NUT 111	Fundamental of Human Nutrition	3	0	0	3	-
AID 111	First Aid	3	0	0	3	-
GIS 211	Applications of Remote sensing	3	0	0	3	-

ETH 111	Principles of Ethics	3	0	0	3	-
BIO 111	General Biology	3	0	0	3	-
ORH 211	Oral Health	3	0	0	3	-
EPI 111	General principles of Epidemiology	3	0	0	3	-
CPR 111	CPR-Cardio Pulmonary Resuscitation	3	0	0	3	-
ENG 111	Communication Skills	3	0	0	3	-
SOC 111	Introduction to Communication Sociology	3	0	0	3	-
INF 211	Information Society	3	0	0	3	-
LAW 211	Legal Culture	3	0	0	3	-

College Required Courses (9 Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ARC 112	Engineering Graphics	2	2	0	3	---
MTH 121	Engineering Mathematics I	3	0	2	3	---
ARC 171	Building Sciences	3	0	0	3	---

(b) Specialization Required Courses & Graduation Projects (128 Cr.Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ARC 100	Introduction to Design	1	4	0	3	
ARC 113	Perspective, Shade & Shadows	1	4	0	3	ARC 112
ARC 533	Engineering Training	4	0	0	4	
ARC 101	Architectural Design I	2	4	0	4	ARC 100
ARC 200	Architectural Design II	2	4	0	4	ARC 101
ARC 201	Architectural Design III	2	6	0	5	ARC 200
ARC 221	Ancient Architecture	3	0	0	3	
ARC 222	Islamic Architecture	3	0	0	3	ARC 221
ARC 251	CAAD I	1	4	0	3	COM 111 & ARC 112
ARC 252	CAAD II	1	4	0	3	ARC 251
ARC 300	Architectural Design IV	2	6	0	5	ARC 201
ARC 301	Architectural Design V	2	6	0	5	ARC 300
ARC 321	Modern & Contemporary Architecture	3	0	0	3	ARC 221
ARC 361	Housing Design & Theory	3	0	0	3	ARC 201

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ARC 362	Landscape Architecture	2	2	0	3	ARC 200
ARC 400	Architectural Design VI	2	6	0	5	ARC 301
ARC 371	Active Thermal Control	2	0	2	3	ARC 171
ARC 461	Urban Planning	3	0	0	3	ARC 362
ARC 401	Urban Design	2	6	0	5	ARC 400
ARC 261	Environmental Behavior	3	0	0	3	
ARC 421	Heritage Conservation	3	0	0	3	ARC 222
ARC 372	Sustainable Architecture	3	0	0	3	ARC 371
ARC 531	Architectural Practice	3	0	0	3	
ARC 500	Graduation Project I	3	4	0	5	ARC 361 & ARC 401
ARC 501	Graduation Project II	1	8	0	5	ARC 500
ARC 231	Building Construction I	2	2	0	3	ARC 112
ARC 232	Building Construction II	2	2	0	3	ARC 231
ARC 331	Advanced Building Technology	3	0	0	3	ARC 232&ARC 242
ARC 431	Working Drawing I	1	4	0	3	ARC 331
ARC 332	Building Services	3	0	0	3	ARC 331
ARC 432	Working Drawing II	1	4	0	3	ARC 431
ARC 471	Lighting & Acoustics	3	0	0	3	ARC 171 & ARC 332
ARC 532	Project Management	3	0	0	3	ARC 432
ARC 241	Surveying for Architects	1	2	0	2	
ARC 242	Structural Design for Architects I	3	0	0	3	ARC 171 &MTH 121
ARC 341	Structural Design for Architects II	3	0	0	3	ARC 242
ARC 111	Freehand Drawing	2	4	0	4	

(c) Specialization Electives courses (9 Cr.Hrs.)

The student will take three of the following Specialization Electives as approved by the academic advisor.

The registration in these courses is conditioned by having passed and earned 100 Cr.Hrs.

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ARC 580	Selected Topics in Architecture	3	0	0	3	
ARC 581	Interior Design & Coloring	1	4	0	3	
ARC 582	Real Estate Development	3	3	0	3	
ARC 583	Photography	1	4	0	3	
ARC 584	Advanced CAAD Applications	1	4	0	3	ARC 252
ARC 585	Research & Design Methods	3	0	0	3	
ARC 586	Geographic Information Systems	1	4	0	3	ARC 252
ARC 587	Contemporary Arab Architecture	3	0	0	3	ARC 321

Course Sequencing Plan

FIRST SEMESTER

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Lab	Tut	Cr.Hrs.	
	Orientation	1	0	0	0	
ARC 100	Introduction to Design	1	4	0	3	
ARC 111	Freehand Drawing I	2	4	0	4	
ARC 112	Engineering Graphics	2	2	0	3	
ARC 171	Building Sciences	3	0	0	3	
ARB 111	Communication Skills in Arabic Language	3	0	0	3	
COM 111	Computer Applications	2	2	0	3	
TOTAL		14	12	0	19	

SECOND SEMESTER

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Lab	Tut	Cr.Hrs.	
ARC 101	Architectural Design I	2	4	0	4	ARC 100
ARC 113	Perspective Shades & Shadow	1	4	0	3	ARC 112
ENV 111	Environmental Sciences	3	0	0	3	
MTH 121	Engineering Math. I	3	0	2	3	
xxxxxx	University Elective I	3	0	0	3	
ISL 114	Islamic Culture	3	0	0	3	
TOTAL		15	8	2	19	

THIRD SEMESTER

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Lab	Tut	Cr.Hrs.	
ARC 200	Architectural Design II	2	4	0	4	ARC 101
ARC 221	Ancient Architecture	3	0	0	3	
ARC 231	Building Construction I	2	2	0	3	ARC 112
ARC 241	Surveying	1	2	0	2	
ARC 251	CAAD I	1	4	0	3	ARC 112&104110
ARC 261	Environmental behavior	3	0	0	3	
TOTAL		12	12	0	18	

FOURTH SEMESTER

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Lab	Tut	Cr.Hrs.	
ARC 201	Architectural Design III	2	6	0	5	ARC 200
ARC 222	Islamic Architecture	3	0	0	3	ARC 221
ARC 232	Building Construction II	2	2	0	3	ARC 231
ARC 242	Structural Design for Architects I	3	0	0	3	ARC 171 & MTH 121
ARC 252	CAAD II	1	4	0	3	ARC 251
TOTAL		11	12	0	17	

FIFTH SEMESTER

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Lab	Tut	Cr.Hrs.	
ARC 300	Architectural Design IV	2	6	0	5	ARC 201
ARC 321	Modern & Contemporary Architecture	3	0	0	3	ARC 221
ARC 331	Advanced Building Technology	3	0	0	3	ARC 232 ARC 242
ARC 341	Structural Design for Architects II	3	0	0	3	ARC 242
ARC 371	Active Thermal Env.Control	2	2	0	3	ARC 171
TOTAL		13	8	0	17	

SIXTH SEMESTER

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Lab	Tut	Cr.Hrs.	
ARC 301	Architectural Design V	2	6	0	5	ARC 300
ARC 361	Housing Design & Theory	2	2	0	3	ARC 201
ARC 332	Building Services	3	0	0	3	ARC 331
ARC 372	Sustainable Architecture	3	0	0	3	ARC 371
ARC 362	Landscape Architecture	2	2	0	3	ARC 200
TOTAL		12	10	0	17	

SEVENTH SEMESTER

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Lab	Tut	Cr.Hrs.	
ARC 400	Architectural Design VI	2	6	0	5	ARC 301
ARC 461	Urban Planning	3	0	0	3	ARC 362
ARC 431	Working Drawing I	1	4	0	3	ARC 331
STA 112	Statistics	2	2	0	3	
xxxxxxxx	University Elective II	3	0	0	3	
TOTAL		11	12	0	17	

EIGHTH SEMESTER

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Lab	Tut	Cr.Hrs.	
ARC 401	Urban Design	2	6	0	5	ARC 400
ARC 471	Lighting & Acoustics in Architecture	3	0	0	3	ARC 171 & ARC 332
ARC 432	Working drawing II	1	4	0	3	ARC 431
ARC 421	Heritage Conservation	3	0	0	3	ARC 222
xxxxxx	University Elective III	3	0	0	3	
TOTAL		14	6	0	17	

NINTH SEMESTER

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Lab	Tut	Cr.Hrs.	
ARC 500	Graduation Project I	3	4	0	5	ARC 361 ARC 401
ARC 531	Architectural Practice	3	0	0	3	ARC 332
ARC 532	Project Management	3	0	0	3	ARC 432
xxxxxx	Specialization Elective I	/	/	/	3	
TOTAL		12	4	0	14	

TENTH SEMESTER

Course Code	Course Name	Credit Hours				Prerequisite
		Lec	Lab	Tut	Cr.Hrs.	
ARC 501	Graduation project II	1	8	0	5	ARC 500
	Specialization Elective II	/	/	/	3	
	Specialization Elective III	/	/	/	3	
ARC 533	Engineering Training	/	/	/	4	
TOTAL		/	/	/	15	

Course Descriptions (B.Sc. in Architectural Engineering)

ARC 100 Introduction to Design (1, 4, 0: 3)

pre-requisite: none

The course covers the development of the sensory perception of abstract form and its ultimate conversion into specific architectonic configurations, relevant to a variety of solutions to a specific problem and leading to the process of selection and decision making. Basic principles of aesthetics through the study of form, space, proportion, texture analysis of color theory conditioned by different media and materials are also covered.

ARC 113 Perspective, Shades and Shadows (1, 4, 0: 3)

pre-requisite: ARC 112

The course covers one point and two points exterior and interior perspectives, and fundamentals of drawing shades and shadows as presented in two-dimensional and three-dimensional parallel-line drawings by applying projection.

ARC 112 Engineering Graphics (2, 2, 0: 3)

pre-requisite: none

The course covers the basics of 2-D and 3-D architectural drawing and presentation. Parallel-line drawings and orthogonal projections are covered. Drawing of all architectural elements, renderings (abstraction, textures, and materials), and lettering are also practiced.

ARC 171 Building Sciences (3, 0, 0: 3)

pre-requisite: none

This course aims to familiarize students with the basic principles and means of measurement and design of technical aspects of building science. It also covers incorporating structural design, environmental principles, material science and human factors and how these topics rely upon and influence one another in architectural design.

ARC 101 Architectural Design I (2, 4, 0: 4)

pre-requisite: ARC 100

The course covers elements and principles of architectural design; form, space/volume, and function and their interrelationships, in addition to basic design requirements through a small-scale project(s) (e.g. single family house, studio).

ARC 200 Architectural Design II (2, 4, 0: 4)

pre-requisite: ARC 101

The course covers simple and single-use architectural project(s); aspects of spatial arrangements, site, climate and traditions are to be examined. (e.g., kindergarten, small clinic, art workshop).

ARC 201 Architectural Design III (2, 6, 0: 5)

pre-requisite: ARC 200

Design process, conceptualization, and creativity are practiced by students. The problem of space formation, and form/function interaction are also covered. Students handle design problems related to large span single-use spaces; issues of structural systems and light weight material are applied. Contextual design elements of site, topography, climate and traditional architecture are identified, and conceptual design solution(s) analyzed.

ARC 221 Ancient Architecture (3, 0, 0: 3: 3)

pre-requisite: none

This course introduces students to the Architecture of Ancient Civilizations: Prehistoric, Early Historic, and brief preview of Classical Architectural Eras extended from Early Christian period to Gothic Epoch. Students will be taught about major features and design concepts that helped shape historic buildings of these ancient, classical and medieval periods. A major concern of the course is the discussion of various themes, principles, theories, and terms needed to develop such architectural heritage. Students will be given the right knowledge and skills to analyze and assess building forms, design concepts/ elements, materials and techniques employed in those historic periods.

ARC 231 Building Construction I (2, 2, 0: 3)

pre-requisite: ARC 112

This course aims to introduce students to basic concepts and properties of building structural components and their materials. The students will acquire the necessary theoretical background in building technology. Students will be able to analyze main stress directions and select a relevant structural system (short/ medium span) for the project at hand.

ARC 241 Surveying (1, 2, 0: 2)

pre-requisite: none

The course covers basic surveying, errors in surveying operations, distance measurements, chain surveying, angles measurements and bearings, coordinate geometry, leveling of profiles and cross section contour lines, areas and volume computations. Lab work includes the use of the theodolite and planimeter for area measurement.

ARC 232 Building Construction II (2, 2, 0: 3)

pre-requisite: ARC 231

This course aims to familiarize students with water, damp proofing, and enclosure system (partitions, windows and doors), finishing materials, means of vertical circulation. In this course students identify main building structural systems and their relation to secondary systems. They will be acquainted with various finishing materials, their properties, and their means of application.

ARC 242 Structural Design for Architects I (3, 0, 0: 3)

pre-requisites: ARC 171 & 217 1010

The course provides an introduction to the statics of structures and structural members and deals with supports and springs. It discusses the analysis of determinate and indeterminate structures.

ARC 251 CAAD I (1, 4, 0: 3)

pre-requisites: 104 1100 & ARC 112

This course aims to introduce students to 2D Computer Aided Architectural Design drafting process. The course introduces students to computer aided architectural design tool, giving them an opportunity to develop computer skills in their architectural design projects. They will use, manipulate and apply CAAD software, enabling them to make drafting and presentation of their projects. After taking this course, students should be able to use this tool in their respective design courses and studios.

ARC 222 Islamic Architecture (3, 0, 0: 3)

pre-requisite: ARC 221

This course aims to familiarize students with Islamic Architecture during several eras of the Islamic civilization. Students will learn the general circumstances behind the emergence of main features of Art and Architecture of the Islamic World. The major themes, principles and theories connected with Islamic architectural heritage, elements such unity, proportion, composition, rhythm and balance form an essential part of this course. The study follows a chronological order of historical development of these elements which were behind the rise of the much renowned Islamic architecture.

ARC 300 Architectural Design IV (2, 6, 0: 5)

pre-requisite: ARC 201

The course offers a comprehensive approach to context in response to vital aspects in design process, site analysis/selection, environmental/climatic impacts, culture and tradition. Problem-solving techniques in terms of complexity, form of the circulation path, configuration of path-space interaction, structural system, and building form are manipulated by students throughout the course (e.g., recreational facilities, local library, bank).

ARC 331 Advanced Building Technology (3, 0, 0: 3)

pre-requisites: ARC 232 & ARC 242

The course covers advanced building systems and technologies, and means of deploying them in buildings. Emphasis is placed on prefabrication, modular coordination, mechanization, super structures and long spans in concrete, steel and wood.

ARC 341 Structural Design for Architects II (3, 0, 0: 3)

pre-requisite: ARC 242

The course covers the strength of materials, the design of tension and compression members, beams and columns, with a major concentration on steel design.

ARC 252 CAAD II (1, 4, 0: 3)

Pre-requisite: ARC 251

This course aims to introduce students to Computer 3d modelling programs such as 3DMax or Sketchup, and how to use them to model an architectural project. The course introduces students to virtual three dimensional space and modelling through the use of 3d modelling software. The course set up students to use CAAD in their respective design studios to visualize concepts and proposed designs.

ARC 301 Architectural Design V (2, 6, 0: 5)

pre-requisite: ARC 300

The course introduces the manipulation of a complex multiuse/mixed-used project(s), and experimentation with the vocabulary of architectural form, space and order. Aspects of the inter-relationship of architectural form and function are analyzed and evaluated to be applicable to the potential design concept. Expression in the context of traditional architecture is a considerable aspect for developing design solution(s).

ARC 321 Contemporary Architecture (3, 0, 0: 3)

pre-requisite: ARC 221

New theories in Architecture, based on revolutionary design concepts, unique built forms, the use of new materials and techniques are introduced. Emphasis is placed on understanding the process of design and building through the masterpieces of pioneering architects of selected historic eras. A review of the various early 19C revivals of historic forms and eclecticism, which triggered the rise of modern architecture, is presented. Post-modern theories and the current evolution of architectural theories are also explored.

ARC 431 Working Drawings 1 (1, 4, 0: 3)

pre-requisite: ARC 331

The course Introduces students to basic skills and concepts of architectural working drawings and details. Students will learn the basic language of the architectural drafting and understand the process of producing a set of architectural drawings. They will be taught how to produce detailed drawings for their architectural design projects.

ARC 361 Housing Theory & Design (3, 0, 0: 3)

pre-requisite: ARC 201

The course covers the major processes, design considerations and computations for accomplishing residential housing development projects. Other topics include phases of the

development process, site evaluation considerations include those relating to boundary surveys, topographic evaluation, soil analysis, traffic evaluation, hydrographic analysis, plus environmental, aesthetic and cultural considerations.

ARC 362 Landscape Architecture (2, 2, 0: 3)

pre-requisite: ARC 200

The course offers an introduction to the history and development of landscape architecture, and the technology and methods of landscape design. The processes of landscape design as applied to complex projects in landscape architecture, including proposal, programming, analysis, concept development and presentation are also covered.

ARC 332 Building Services (3, 0, 0: 3)

pre-requisite: ARC 331

This course provides students with the knowledge of various aspects of building technical installations required. The course will cover various technical issues such as mechanical and sanitary in buildings, water and air quality, waste, fire protection and safety. In addition it will cover air conditioning systems, and electrical installations in buildings.

ARC 400 Architectural Design VI (2, 6, 0: 5)

pre-requisite: ARC 301

The course covers process of developing a program for functional/environmental requirements of the determined project, setting up solutions for the concerned design problem and selecting the relevant site for the developed program. Taking into account the real needs of local society, students are also introduced to the process of analysis and synthesis, and evaluation of large scale design problems.

ARC 432 Working Drawings 2 (1, 4, 0: 3)

pre-requisite: ARC 431

The purpose of this course is to utilize drafting skills in architectural drafting procedures, practices, and symbols including the preparation of detailed working drawings for a large building, with emphasis on commercial construction methods.

ARC 371 Active Thermal Environmental Control (2, 2, 0: 3)

pre-requisite: ARC 242

The course covers the basics of active thermal systems and their technology, energy demand limits, heat loss and gain, calculations, measurements and applications, and offers a link up with architectural design.

ARC 471 Lighting & Acoustics in Architecture (3, 0, 0: 3)

pre-requisite: ARC 242& ARC 332

The course introduces lighting and acoustic terms and means of measurement and design, characteristics of light and sound, building standards and materials.

ARC 461 Urban Planning (3, 0, 0: 3)

pre-requisite:ARC 362

Course topics include the evolution of city form and structure, the development of order and organization in cities, theories of planning, the politics of planning, social and cultural contexts, the planning process and models, and planning management and implementation.

ARC 401 Urban Design (2, 6, 0: 5)

pre-requisite: ARC 400

The course introduces urban design concepts and urban scale architecture, urban design structure and elements, the urban design process; surveying, analysis and evaluation. Project management and presentation are also covered.

ARC 261 Environmental Behavior (3,0,0:3)

Pre-requisite: None

The aim of this course is to teach students how to apply the psychological and aesthetic factors in their design projects, as well as to improve the students' creativity and thinking ability. Students will learn basics of human behavior and draw from what drives us forward in life, what are our expectations and demands from space. They will be taught how to analyse the Principles of how we see and understand space. They will also study the concept of human spatial behavior and how spatial behavior and spatial characteristics can be measured Investigate and draw upon the relationship of spatial behavior and characteristics

ARC 421 Heritage Conservation (3, 0, 0: 3)

pre-requisite: ARC 222

This course aims to introduce students to methods and techniques of architectural conservation. Students will learn how the historical development and emergence of historic conservation, preservation and their consequences. They will be able to differentiate between the main approaches of heritage conservation, restoration, rehabilitation, reconstruction, renovation and preservation. They will be taught the skills to apply the different techniques of analysis and treatment of historic buildings and areas.

ARC 500 Graduation Project 1 (3, 4, 0: 5)

pre-requisites: ARC 401& ARC 361

Students carry out a substantial work of design research presented as a short thesis report, entailing practical application to a researched topic of a specific building type (a complex multi-use design problem). Project selection is based on the real needs of UAE society. Methodology

in architectural design through a process of programming is covered, together with a literature review, data collection, statistics, case study critique, developed architectural program and schematic design concepts.

ARC 531 Architecture Practice (3, 0, 0: 3)

Pre-requisite: ARC 332

An overview to the professional practice in architecture in general with special emphasis on the UAE. Professionalism, the architect's role in the building process in real life, how architects work and get work, becoming and being an architect are also covered. Course topics also include code of ethics, team work, design and design approvals, decision making field investigation, engineers and other consultants, construction contractors, building contracts, bill of quantities and book of specifications, phases of construction and construction management process.

ARC 501 Graduation Project II (1, 8, 0: 5)

Pre-requisite: ARC 500

The course covers the development of the schematic concept formulated during Graduation Project I, the development of design preliminary drawings in accordance with the architectural design program formulated in Graduation Project I, rendering and presentation of the design final drawings, and the use of advanced CAAD application.

ARC 372 Sustainable Architecture (3, 0, 0, 3)

Pre-requisite: ARC 371

This course aims to introduce students to basic concepts of sustainable design and its application in architecture considering environment and lifecycle of buildings, and also to provide students with comprehensive understanding of many ecological approaches.

ARC 532 Project Management (3, 0, 0, 3)

Pre-requisite: ARC 432

The course will assist the student to understand the position of a manager on site. The in depth study will train the student to apply various aspects of project management such as; organization planning, implementation, controlling tasks, project scheduling, cost controlling, and performance evolution.

ARC 580 Selected Topics in Architecture (3, 0, 0: 3)

Pre-requisite: None

This course introduces students to how to discuss and trigger the most important issues vital to their academic and professional development. It helps them organize their thoughts and interests in a systematic way in relation to their architecture education. The course also enables students to express various progress in architectural education of a special field both orally, by writing and graphically.

ARC 581 Interior Design and Coloring (1, 4, 0: 3)

Pre-requisite: None

The course covers interior design and coloring with emphasis on water color technique, poster color and pencil color and interior space coloring.

ARC 584 Advanced CAAD Application (1, 4, 0: 3)

Pre-requisite: ARC 252

The course concentrates on basics of BIM. AutoDesk Revit is the program of choice. Students are taught how to use building elements and put them in the BIM database.

ARC 585Research and Design Methods (3, 0, 0: 3)

Pre-requisite: None

The course covers a comprehensive survey of qualitative and quantitative research methods and their method-specific hypothesis formulation, data acquisition, verification and analysis.

ARC 586 Geographic Information Systems (1, 4, 0: 3)

pre requisite ARC 252

The development and history of GIS, present applications of the technology. Essential elements of a Geographic Information System. Basic concepts and principles of Geographic Information Systems.

ARC 583 Photography (1, 4, 0: 3)

pre requisite none

This is an introductory course to photography. It deals with the principles of photography such as light exposures, compositions, and film developing. Types and uses of cameras, lenses, flashes, filters, and other accessories are discussed and applied. The course also involves photographing buildings and students' projects, portfolio design, and the use of digital cameras.

ARC 587 Contemporary Architecture in the Arab World (3, 0, 0: 3)

pre requisite ARC 321

This course will introduce students with recent architectural trends and developments in the Arab World during the 20th century and the present time. Architectural changes and transformations from tradition to modernity during the 20th century are to be investigated The different architectural trends and attitudes in Arab countries are explored through analyzing examples of the pioneers of contemporary Arab architecture, such as Fathy, Badran, Makkiyyeh and Chadirji.

ARC 582 Real Estate Development (3, 0, 0: 3)

pre requisite none

The course will conduct market surveys and analysis studies, site consideration and selection, financial feasibility and documentation for real estate development. The students will be introduced to carry forth a real estate development project from the proposal (project formation) stage into final proposal. Manage project more effectively. Keep a project notebook, or digital file. Develop a scope of work, diagram workflow on a timeline, and use it to plan and manage activities effectively. Also, draw upon what they have learned in other courses.

Bachelor of Science in Building Engineering and Construction Management (BSc.BE & CM)

The Mission of BSc. (BE & CM) Program

The principal mission of this program is to prepare the professional technologist able to handle two major phases of built environment i.e. retrofit designing, construction management. In addition, a successful graduate of this program will also be able to play vital role in professions of facility management and costing and estimation. The graduate of program can pursue a career in various fields of built environment such as quantity surveying, building surveying, estate management, technical consulting firms, and companies offering appraisals and related services, public authorities and materials industry.

Goals of Program

The goals of the Building Engineering and Construction Management program are to produce the graduate able to:

1. Serve as engineering technologist employed in retrofit designing, building surveying, building maintenance management, construction management, manufacturing industry, civil and architectural engineering, or other allied fields.
2. Pursue graduate or professional education in construction engineering, materials technology, construction law, architecture, etc.
3. Work as licensed Professional or Builder & Constructors.
4. Engage in lifelong learning, through on-the-job training, participation in professional societies, additional formal education, continuing education and professional development, research, and self-study, in order to use state-of-the-art knowledge to design and build safe and effective buildings and/or provide high quality service to the public, employers, clients, and other professionals.

Program Learning Outcomes

Learning outcomes describe what students are expected to know and be able to do by the time of graduation. These relate to the ***knowledge, skills, competencies and self-development*** that students will acquire as they progress through the program.

Knowledge

At completion of BSc. (BE & CM) program, the graduate will be:

1. Able to relate and apply knowledge of mathematics, science, engineering and other core courses in design and management
2. Able to comprehend and apply knowledge of modern construction technology, construction management, materials, and building science
3. Able to comprehend the fundamental knowledge and concepts of retrofit and adoptive designing
4. Able to comprehend the knowledge of professional practice and ethics

5. Able to comprehend the knowledge of construction laws and legal issues

Skills

At completion of BSc. (BE & CM) program, the graduate will be able to;

1. Conduct research, acquire data and its analyses for retrofit and adoptive designing
2. Prepare schematic proposals for regenerative and retrofit designing
3. Explicate design solution through illustrative, physical modes , writing and orally
4. Prepare estimations, BOQs and costing of projects
5. Prepare procurement, management and contract documentation

Competencies

Autonomy and Responsibility:

At completion of BSc. (BE & CM) program, the graduate will be able to;

1. Identify, formulates, and solves Bdg.Engr design and construction management problems.
2. Team with multidisciplinary professions engaged in building design and construction management process.
3. Design a system, component, or process to meet desired needs within realistic scenario and constraints such as economic, environmental, social, political, ethical, health and safety.
4. Comprehend and apply the professional and ethical responsibilities in Building Eng. and Management practice.
5. Conduct building evaluation and suggest the viable solutions for its reuse.

Self-Development:

At completion of BSc. (BE & CM) program, the graduate will be able to;

1. Recognize the need for life-long learning in field of Bdg.Engr design and construction management
2. Professionally compete in the market and play an active role in the community

Role in Context:

At completion of BSc. (BE & CM) program, the graduate will be able to;

1. Demonstrate professionalism and regard for his fellow professionals.
2. Show good working ethics.

BE & CM Mapping under Program Learning Outcomes

The current BSc in BE & CM program complies with CAA standards and AU policies and procedures manuals which include all academic requirements. The learning outcomes of the courses that are mapped according to QF Emirates program outcomes. Table 1 is showing the mapping of BSc in BE & CM program and learning outcome in QF Emirates Framework and Table 2: is showing the mapping courses according to QF Emirates Standards.

Table 1: The Mapping of Program Learning Outcomes and UAE's Qualifications Frameworks

P.O No.	Building Engineering and Construction Management Program Outcomes (PO)	Framework Strands of Learning Outcomes				
		Strand 1	Strand 2	Strand 3	Strand 4	Strand 5
1	An ability to relate and apply knowledge of mathematics, science, engineering and other core courses in design and management	X				
2	Able to comprehend and apply knowledge of modern technology, management, materials, and building science	X				
3	Able to comprehend the fundamental knowledge and concepts of retrofit/adoptive designing	X				
4	Able to comprehend the knowledge of professional practice and ethics	X				
5	Able to comprehend the knowledge of construction laws and legal issues	X				
6	An ability to acquire data and its analyses for retrofit / adoptive designing		X			
7	An ability to prepare schematic proposals for regenerative and retrofit designing		X			
8	An ability to explicate design solution through illustrative, physical modes , writing and orally		X			
9	An ability to prepare estimations, BOQs and costing of projects		X			
10	An ability to prepare procurement, management and contract documentation		X			
11	An ability to identify, formulates, and solves Bdg.Engr design and construction management problems.			X		
12	Team with multidisciplinary professions engaged in building design and construction process.			X		

13	An ability to design a system, component, or process to meet desired needs within realistic scenario and constraints such as economic, environmental, social, political, ethical, health and safety				X	
14	Comprehend and apply the professional and ethical responsibilities in architectural practice				X	
15	An ability to conduct building evaluation and suggest the viable solutions for its reuse.				X	
16	An Ability to recognize the need for life-long learning in field of Bdg.Engr design and construction management					X
17	An ability to professionally compete in the market and play an active role in the community					X

Table 2: Mapping of Courses to Program Outcomes

P.O No.	Course ID	Course Name	Related Program Outcomes (PO)															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	BCM 140	Building Materials	X	X										X					
2	BCM 141	Engineering Graphics for BE	X					X	X				X						
3	BCM 100	Building Science for BE	X										X						
4	BCM 101	Introduction to Design for BE	X	X															
5	BCM 142	Impact of Technology on Society & Arch.	X	X				X					X						
6	BCM 200	Building Eng. Design I	X	X	X				X	X					X		X	X	
7	BCM 220	Building Const. I for BE	X	X				X	X				X	X	X				
8	BCM 221	Surveying for BE	X					X		X			X						
9	BCM 240	CAAD-I for BE	X					X											
10	BCM 223	Building Construction Codes & Practice	X		X		X			X				X		X			X
11	BCM 201	Building Condition Surveying	X		X			X									X		
12	BCM 241	Construction Drawings –I	X	X						X				X					
13	BCM 222	Building Const. II for BE	X	X				X	X				X	X	X				
14	BCM 242	Structural Design - I	X					X		X			X						

15	BCM 243	CAAD II for BE	X					X										
16	BCM 202	Building Façade Engineering	X		X					X			X		X			
17	BCM 300	Building Eng. Design II	X	X	X				X	X					X		X	X	
18	BCM 320	Construction Estimation –I	X	X				X			X	X		X					
19	BCM 321	Construction Project Management I	X	X		X	X					X	X			X			
20	BCM 342	Structural Design-II	X						X		X		X						
21	BCM 301	Building Maintenance Management	X			X					X			X					
22	BCM 322	Construction Project Management II	X	X		X	X					X	X			X			
23	BCM 341	Construction Drawings II	X	X					X				X	X					
24	BCM 302	Building Services for BE	X		X				X				X	X					
25	BCM 340	Advanced& Sustainable Construction Tech.	X	X									X				X		
26	BCM 343	Strength of Materials	X					X						X					
27	BCM 420	Construction Estimation – II	X	X				X			X			X			X		
28	BCM 421	Legal issues in Construction laws	X		X	X				X				X		X			X
29	BCM 400	Active Thermal Env. Control for BE	X	X				X		X			X		X				
30	BCM 401	Graduation Project	X	X	X				X	X					X		X		X
31	BCM 402	Building Conservation		X						X				X					
32	BCM 501	Engineering Training I				X			X					X				X	X
33	BCM 502	Engineering Training II				X			X					X				X	X
34	BCM 601	Building Pathology	X			X		X						X		X			X
35	BCM 600	Control Systems in Buildings	X		X			X					X						
36	BCM 602	Lighting & Acoustics	X					X		X			X		X				

Core Fields of Program

BE & CM program is based on three core fields of built environment that constitute to the BSc.(BE & CM). The following core fields are based on various courses mentioned in Table 3.

Table 3: The Core Fields in the BSc.BE & CM.

No	Core Fields	Course No	Credit Hours
1	**Construction Management**	BCM 220, BCM 321, BCM 322, BCM 421, BCM 320, BCM 420, BCM 221, BCM 222, BCM 223	26
2	**Building Engineering**	BCM 100, BCM 101, BCM 200, BCM 300, BCM 302,BCM 400, BCM 201, BCM 301, BCM 601, BCM 600, BCM 402, BCM 202, BCM 401, BCM 602	45
3	**Construction & Materials Technology**	BCM 140, BCM 141, BCM 142, BCM 240, BCM 241, BCM 242, BCM 243, BCM 342, BCM 341, BCM 340, BCM 343	33

Admission Requirements

The College of Engineering and Department of Architectural Engineering follows the policy established by Ajman University. A Secondary School Certificate, science section, or its equivalent with the Grade Point Average not less than B or an 70% overall average and the priority is given to students with a higher Grade Point Average or overall percentage in the following subjects.

1. Mathematics
2. Physics
3. Chemistry
4. English proficiency test (TOEFL score of 500 or above; or ILETS 5.0 Band).
5. Personal interview.

Students who do not satisfy the English proficiency requirement (TOEFL score of 500 or above; or ILETS 5.0 Band) may begin their studies with conditional admission. During their first semester, Holders of TOEFL, with score between 450 and 499 or equivalent, will be required to enroll in the Intensive English Program (IEP) offered by the College of University Requirements and Academic Counseling, until they obtain at least 500 in the TOEFL, or its equivalent. Admitted students with a score below 450 (TOEFL) are required to enroll for an English preparation course (lower level) at the on-campus Continuing Education Centre. However, colleges will reserve a seat for them, for one semester only, if they obtain a score of at least 450 in TOEFL, IBT 45, or Band 4.0 in IELTS, at the end of the first semester of registration.

Career Opportunities

The graduate of program can pursue a career in various fields of built environment such as

- retrofit designing (building remodeling & adaptation)
- quantity surveying,
- building estimation & costing,

- building surveying,
- estate and facility management,
- builder & constructors,
- civil & architectural consulting firms,
- companies offering building appraisals & related services,
- public & private authorities,
- construction management and
- construction materials manufacturing & sales industry.

Degree Completion Requirements

The BSc degree in BE & CM requires the completion of 132 credit hours including graduation project in BE & CM and Supervised Training. The student will be declared a BSc in BE & CM if she or he completes 132 credit hours and has an AGPA of >=2.0.

No	Type of Courses	Total credit Hours
1.	University General Education Requirements	
	(a) University Required Courses	15
	(b) University Elective Courses	9
2.	College Required courses	9
3.	Specialization required courses	93
4.	Specialization Elective courses	6
	Total Credit Hours	**132**

Graduation Time Frame

The student can complete the study plan in a minimum of 3 and a half years, however the study plan is designed to be completed in 4 years/8 semesters. Usually the students take minimum of 4 years to complete the study plan. The maximum length of the BSc.BE & CM study plan is 8 years/16 semesters. A student transferring from another University should be from a University accredited by the CAA, complete at least 50% of the study plan at AU and completes the last semester at AU.

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

University Required Courses (15 Cr.Hrs.)

Course ID	Course Title	TH	LAB	TUT	Cr.H	Prerequisite
ISL114	Islamic Culture	3	0	1	3	-
ARB111	Communication Skills in Arabic Language	3	0	0	3	-
STA112	Statistics (Sciences)	2	2	0	3	-
COM111	IT fundamentals	2	2	0	3	-
INN311	Innovation and Entrepreneurship	3	0	0	3	Min. 60 Cr. Hrs.

University Elective Courses (9 Cr.Hrs.)

Course ID	Course Title	TH	LAB	TUT	Cr.H	Prerequisit
ARB113	Art of Written Expression-Arab	3	0	0	3	-
ENG113	Academic Writing (English)	3	0	0	3	-
ART112	Intro. to Aesthetics	3	0	0	3	-
ART111	Introduction to Art	3	0	0	3	-
ART211	Intro. to Digital Photography	3	0	0	3	-
FRE211	French Language	3	0	0	3	-
ENG211	Art of Public Speaking (English)	3	0	0	3	-
ISL211	Intro. to Hadeeth & Sunna	3	0	0	3	-
ENV111	Environmental Science	3	0	0	3	-
RES211	Research Methodology	3	0	0	3	-
ISH111	History of Science in Islam	3	0	0	3	-
NUT111	Fundamental of Human Nutrition	3	0	0	3	-
AID111	First Aid	3	0	0	3	-
PIO211	Scientific Pioneering	3	0	0	3	-
AST211	Astronomy (Arabic)	3	0	0	3	-
INF212	Information System (Arabic)	3	0	0	3	-
PSY111	General Psychology	3	0	0	3	-
EMS111	Emirates Society	3	0	0	3	-
ECO211	Economic Concepts	3	0	0	3	-
ENG111	English Communication Skills	3	0	0	3	-
SOC112	Communication Between Cultures	3	0	0	3	-

INF113	Library Information System	3	0	0	3	-
THI211	Critical Thinking	3	0	0	3	-

College Required Courses (9 Cr. Hrs.)

Course ID	Course Title	TH	LAB	TUT	Cr.H	Prerequisite
BCM 141	Engineering Graphics	2	2	0	3	---
MTH 121	Engineering Mathematics I	3	0	2	3	---
BCM 100	Building Sciences	3	0	0	3	---

BE & CM Specialization Required Courses & Graduation Projects (93 Cr.Hrs.)

Course ID	Course Title	TH	LAB	TUT	Cr.H	Prerequisite
BCM 140	Building Materials	3	0	0	3	-
BCM 101	Introduction to Design for BE	1	4	0	3	
BCM 142	Impact of Technology on Society & Arch	3	0	0	3	BCM 100
BCM 200	Building Eng. Design I	1	6	0	4	BCM 101 BCM 141
BCM 220	Building Const. I for BE	2	2	0	3	BCM 141
BCM 221	Surveying for BE	1	2	0	2	-
BCM 240	CAAD I for BE	1	4	0	3	BCM 141 COM111
BCM 223	Building Construction Codes & Practice	3	0	0	3	-
BCM 201	Building Condition Surveying	2	2	0	3	BCM 140 BCM 220
BCM 241	Construction Drawings I	1	4	0	3	BCM 220
BCM 222	Building Const. II for BE	2	2	0	3	BCM 220
BCM 242	Structural Design - I	2	2	0	3	BCM 100 MTH 121
BCM 243	CAAD II for BE	1	4	0	3	BCM 240
BCM 202	Building Façade Engineering	3	0	0	3	BCM 140 BCM 220
BCM 300	Building Eng. Design II	1	6	0	4	BCM 200
BCM 320	Construction Estimation –I	3	0	0	3	BCM 241
BCM 321	Construction Project Management I	3	0	0	3	BCM 200 BCM 222

BCM 342	Structural Design- II	2	2	0	3	BCM 242
BCM 301	Building Maintenance Management	3	0	0	3	BCM 223
BCM 322	Construction Project Management II	3	0	0	3	BCM 321
BCM 341	Construction Drawings II	1	4	0	3	BCM 241
BCM 302	Building Services for BE	2	2	0	3	BCM 222
BCM 340	Advanced& Sustainable Construction Tech.	3	0	0	3	BCM 222
BCM 343	Strength of Materials	2	2	0	3	BCM 342
BCM 420	Construction Estimation –II	3	0	0	3	BCM 320
BCM 421	Legal issues in Construction laws	3	0	0	3	BCM 223
BCM 400	Active Thermal Env. Control for BE	2	2	0	3	BCM 302
BCM 401	Graduation Project	1	6	0	4	BCM 300 BCM 502
BCM 402	Building Conservation	2	2	0	3	BCM 140 BCM 341
BCM 501	Engineering Training I	2	0	0	2	BCM 200 BCM 241
BCM 502	Engineering Training II	2	0	0	2	BCM 300 BCM 322

BE & CM Specialization Elective Courses (06 Cr.Hrs)

Course ID	Course Title	TH	LAB	TUT	Cr.H	Prerequisite
ARC 580	Selected Topics in Arch.	3	0	0	3	-
ARC 581	Interior Design & Coloring	1	4	0	3	-
ARC 589	Geographical Information Systems	1	4	0	3	BCM 243
ARC 582	Real Estate Development	3	0	0	3	-
BCM 601	Building Pathology	3	0	0	3	-
ARC 583	Photography	1	4	0	3	-
ARC 584	Advanced CAAD Application	1	4	0	3	BCM 243
ARC 585	Research & Design Methods	3	0	0	3	-
BCM 600	Control Systems in Buildings	3	0	0	3	-
BCM 602	Lighting & Acoustics	3	0	0	3	-

Sequence of the Study Plan of the BSc. (BE & CM)

Table 4: 4-Year Study Plan for BSc. (BE & CM)

PROPOSED SEQUENCE OF STUDY BSc.BE & CM

Semester 1

Course#	Course Name	Cr. Hrs	Lectures	Tut/ Lab	Pre-req.	
BCM 140	Building Materials	3	3	0	-	-
BCM 141	Engineering Graphics for BE	3	2	2	-	-
BCM 100	Building Science	3	3	0	-	-
ARB111	Communication Skills in Arabic Language	3	3	0	-	-
COM111	IT fundamentals	3	2	2	-	-

Semester 2

Course#	Course Name	Cr. Hrs	Lectures	Tut/ Lab	Pre-req.
BCM 101	Introduction to Design for BE	3	1	4	-
BCM 142	Impact of Technology on Society & Arch	3	3	0	BCM 100
ISL114	Islamic Culture	3	3	1	-
MTH 121	Engineering Math I	3	3	2	-
-	University Elective – I	3			-

Semester 3

Course#	Course Name	Cr. Hrs	Lectures	Tut/ Lab	Pre-req.	
BCM 200	Building Eng. Design I	4	1	6	BCM 101	BCM 141
BCM 220	Building Construction-I for BE	3	2	2	BCM 141	-
BCM 221	Surveying for BE	2	1	2	-	-
BCM 240	CAAD-I for BE	3	1	4	BCM 141	COM111
BCM 223	Building Construction Codes & Practice	3	3	0		
	University Elective – II	3			-	

Semester 4

Course#	Course Name	Cr. Hrs.	Lectures	Tut/ Lab	Pre-req.	
BCM 201	Building Condition Surveying	3	2	2	BCM 140	BCM 220
BCM 241	Construction Drawings I	3	1	4	BCM 220	-
BCM 222	Building Const. II for BE	3	2	2	BCM 220	-
BCM 242	Structural Design-I	3	2	2	BCM 100	MTH 121

BCM 243	CAAD-II for BE	3	1	4	BCM 240	-
BCM 202	Building Façade Engineering	3	3	0	BCM 220	BCM 140

Summer

Course#	Course Name	Cr. Hrs	Lectures	Tut/ Lab	Pre-req.	
BCM 501	Engineering Training I	2	2		BCM 200	BCM 241

Semester 5

Course#	Course Name	Cr. Hrs	Lectures	Tut/ Lab	Pre-req.	
BCM 300	Building Eng. Design II	4	1	6	BCM 200	-
BCM 320	Construction Estimation-I	3	3	0	BCM 241	-
BCM 321	Construction Project Management-I	3	3	0	BCM 200	BCM 222
BCM 342	Structural Design –II	3	2	2	BCM 242	-
BCM 301	Building Maintenance Management	3	3	0	BCM 223	-
	University Elective – III	3			-	-

Semester 6

Course#	Course Name	Cr. Hrs	Lectures	Tut/ Lab	Pre-req.	
BCM 322	Construction Project Management-II	3	3	0	BCM 321	-
BCM 341	Construction Drawing-II	3	1	4	BCM 241	-
BCM 302	Building Services for BE	3	2	2	BCM 222	-
BCM 340	Advanced& Sustainable Construction Tech.	3	3	0	BCM 222	-
BCM 343	Strength of Materials	3	2	2	BCM 342	-
INN311	Innovation and Entrepreneurship	3			Min. 60 Cr. Hrs.	

Summer

Course#	Course Name	Cr. Hrs	Lectures	Tut/ Lab	Pre-req.	
BCM 502	Engineering Training II	2	2		BCM 300	BCM 322

Semester 7

Course#	Course Name	Cr. Hrs	Lectures	Tut/ Lab	Pre-req	
BCM 420	Construction Estimation-II	3	3	0	BCM 320	-
BCM 421	Legal Issues in Construction laws	3	3	0	BCM 223	-
BCM 400	Active Thermal Env. Control for BE	3	2	2	BCM 302	-
STA 112	Statistics	3	2	2	-	-
-	Specialization Elective-I	3			-	-

Semester 8

Course#	Course Name	Cr. Hrs	Lectures	Tut/ Lab	Pre-req.	
BCM 401	Graduation Project	4	1	6	BCM 300	BCM 502
BCM 402	Building Conservation	3	2	2	BCM 140	BCM 340
-	Specialization Elective-II	3			-	-

BSc. BE & CM Courses Brief Description

BCM 140-BUILDING MATERIALS, (3, 0, 0: 3)

Pre-Requisite: None

This course will cover the engineering properties of basic and modern building materials to materials such as plastics, synthetic fibers, adhesives, sealants, caulking compounds, foams, sandwich panels, composites, polymer concrete systems, fiber-reinforced concretes, plastic mortars, polymers for flooring, roofing, synthetic wall papers. Moisture properties of modern building materials and their structural, thermal, and acoustical properties. Consideration of corrosion, bio- and thermal degradation, stability to ultraviolet and solar radiation. In addition, the materials will be discussed in context of sustainability and its lifecycle under various conditions of application.

BCM 141 Engineering Graphics for BE (1,4,0:3)

Pre-Requisite: None

This course aims to explain and teach students about graphic communication, the language of building engineers. The student will learn about principles of parallel-line drawings, orthogonal projections, and rendering, and preparing a set of construction drawings.

BCM 100 Building Sciences for BE (3,0,0:3)

Pre-Requisite: None

This course aims to familiarize students with basic principles and means of measurement and design of technical aspects of building.

BCM 101 Introduction to design for BE (1,4,0:3)

Pre-Requisite: None

This course aims to introduce students to the basic elements of design, its principles, and the perception and understanding of building elements within an analytical method.

BCM 142 Impact of Technology on Society & Arch. (3,0,0:3)

Pre-Requisite: BCM 100

This course will highlight the history of built environment and architecture as the confluence of social and technological evolution. Methodology and thought processes in the theory and design of cities and the human habitat. The impact of technology on society. Energy conservation, environmental constraints and sustainability issues.

BCM 200 Building Eng. Design – I (1, 6, 0:4)

Pre-Requisite: BCM 141 - BCM 101

This course will encompass the conceptual and preliminary adaptive design of small/medium size building. The student will complete the project individually or in the team. However, each student will learn BE design process, methodology, identification of objectives, building Codes, formulation

of design problems. Development and evaluation of sustainable building design alternatives. Conceptual building design: spatial requirements, the design of space layout.

BCM 220 Building Construction I for BE (2,2,0:3)

Pre-Requisite: BCM 141

This course aims to introduce students to basic concepts and properties of building structural components and their materials. The students will acquire the necessary theoretical background in building technology. He will be able to analyse main stress directions and select a relevant structural system (short/ medium span) for the project at hand.

BCM 221 Surveying for BE (1, 2, 0:2)

Pre-Requisite: None

The aim of this course is to introduce and teach the basic rules and techniques of land surveying.

BCM 240 CAAD I for BE (1,4,0:3)

Pre-Requisite: BCM 141 -COM111

This course aims to introduce students to 2D Computer Aided BE Design drafting process. The course introduces students to computer-aided construction design tool, giving them an opportunity to develop computer skills in their BE design projects. They will use, manipulate and apply CAAD software, enabling them to make drafting and presentation of their projects.

BCM 223 Building Construction Codes and Practice (3,0,0:3)

Pre-Requisite: None

This course will encompass the general survey of Codes and regulations affecting the design and construction of buildings. It focuses on the UAE/International Building Code.

BCM 201 Building Condition Surveying (2,2,0:3)

Pre-Requisite: BCM 140 – BCM 220

This course will focus on teaching students to carry out many different types of building inspection, each for a particular reason and each resulting in a report with specific information produced for a particular purpose. This course will prepare the student to detect the faults in building at pre and post-occupational stage. In addition, to detect the design faults, this course will also enable the students to use the techniques to evaluate the effects of climatic factors such as flooding, dampness and structural factors such as sinking, structural damage or decay plus the presence of dangerous substances are typical problems. This course will also train the student for comprehensive checking, anticipate problems and to plan maintenance techniques.

BCM 241 Construction Drawings –I (1,4,0:3)

Pre-Requisite: BCM 220

This course will encompass the fundamentals of technical drawing, dimensioning practices, orthographic projections, auxiliary and sectional views of buildings. Theory and applications of descriptive geometry in building design. Computer aided building drawing. subsystems and related graphics standards; architectural and BE drawing at preliminary and final stages and introduction to the design of light frame buildings.

BCM 222 Building Construction II for BE (2,2,0:3)

Pre-Requisite: BCM 220

This course aims to familiarize students with water, damp proofing, and enclosure system (partitions, windows and doors), finishing materials, and means of vertical circulation. In this course students identify main building structural systems and their relation to secondary systems. They will be acquainted with various finishing materials, their properties, and their means of application.

BCM 242 Structural Design I (2,2,0:3)

Pre-Requisite: BCM 100 - MTH 121

The aim of this course is to introduce the concepts and principles of structural analysis and behavior of materials and structural elements.

BCM 243 CAAD II for BE (1,4,0:3)

Pre-Requisite: BCM 240

This course aims to introduce students to Computer 3D modelling programs such as 3DMax or Sketch up, and how to use them to model a BE project. The course introduces students to virtual three-dimensional space and modelling through using 3D modelling software.

BCM 202 Building Façade Engineering (3,0,0:3)

Pre-Requisite: BCM 140-BCM 220

This course will focus on issues of building facades design in general and particularly emphasis on facades of tight buildings. This course includes the learning about effects of environmental and climatic factors on vertical surfaces and openings /glazed surfaces. This course will train the student to suggest appropriate design of façade with active consideration of construction and material technology.

BCM 300 Building Eng. Design – II (1,6,0:4)

Pre-Requisite: BCM 200

This course will encompass the conceptual and preliminary design of a medium size adaptive and civil engineering project. Students learn Building Eng. design process, methodology, identification of objectives, Codes, formulation of design problems. Development and evaluation of sustainable design alternatives through an application of computer-aided design tools.

BCM 320 Construction Estimation-I (3,0,0:3)

Pre-Requisite: BCM 241

This course will encompass the techniques and procedures used for estimating the cost of construction projects. Cost estimation process; elements of the project cost; conceptual and detailed cost estimation methods; risk assessment and range estimating; case studies; computer-aided estimating. Particularly a focus on concrete foundation-related work, earthwork, masonry, above-grade concrete, concrete frame, and structural steel work items.

BCM 321 Construction Project Management-I (3,0,0:3)

Pre-Requisite: BCM 200, BCM 222

This course construction project management will deliver the knowledge about the nature of construction and the environment in which the industry works; organizational structures for project delivery; construction contracts and documents; introduction to construction processes, project planning, scheduling, control; construction safety, bidding planning and scheduling, cash flow analysis, project tracking and control

BCM 342 Structural Design II (2,2,0:3)

Pre-Requisite: BCM 242

The aim of this course is to introduce the design of structural members of concrete and steel elements.

BCM 301 Building Maintenance Management (3,0,0:3)

Pre-Requisite: BCM 223

This course will encompass on issues of fundamental and long-term maintenance and management plans for physical assets such as airports, government buildings, office buildings, factory buildings, apartment complexes (large- and small-scale), hotels, hospitals, shopping malls, sports and entertainment venues, and other large facilities.

BCM 322 Construction Project Management II (3,0,0 :3)

Pre-Requisite: BCM 321

This course will cover two interrelated fields of construction engineering and management. The first part of course focuses on a study of contemporary construction methods and techniques. Whereas second part of course is, consist of learning based on effective management and control for timely completion of the project as per contract. This course aims to provide the students with an advanced body of knowledge in specific sectors of the site production process. Students shall be given an exposure of the production problems and the available strategies/methods of resolving these problems from both the theoretical and practical perspectives.

BCM 341 Construction Drawings II (1, 4, 0: 3)

Pre-Requisite: BCM 241

This course will encompass the construction detail in the formation and thematic development of a work of BE design. Students in this course will explore and research building details of medium to large span structures of space frames, steel structures, precast beams, etc. The study will enable the student to consider their appropriateness and document through analytical drawing their intent and assembly.

BCM 302 Building Services for BE (2, 2, 0:3)

Pre-Requisite: BCM 222

This course will prepare the students to deal with the various aspects concerning installations of various services in buildings. It allows students to participate in the development of building designs within a multidisciplinary team.

BCM 340 Advanced & Sustainable Construction Technology (3, 0, 0:3)

Pre-Requisite: BCM 222

This course aims to introduce students to advanced and sustainable building systems & technologies and means of deploying them in buildings.

BCM 343 Strength of Materials (2,2,0:3)

Pre-Requisite: BCM 342

This course covers the study of behavior of various building materials subjected to various structural forces present in building frame. This course will prepare the student to evaluate the use of construction material in particular condition. This course will be offered in combination of formal theoretical learning and practical in designated laboratory.

BCM 420 Construction Estimation-II (3,0,0:3)

Pre-Requisite: BCM 320

This course covers the analysis and determination of costs of construction operations, including all the normal bid-preparation activities that take place in a constructor's estimating section. This course also includes construction cost accounting and control, micro IT fundamentals, and professional ethics.

BCM 421 Legal Issues in Construction Laws (3,0,0:3)

Pre-Requisite: BCM 223

This course will encompass the issues of labor legislation with special emphasis on the construction industry, union organization, theory and practice of negotiations, mediation, contract administration, and arbitration. Review of actual contracts, discussion of future trends. Legal concepts and processes applicable to the development of constructed facilities and to the operation of the construction firm, emphasis on UAE law and institutions.

BCM 400 Active Thermal Environmental Control for BE (2,2,0:3)

Pre-Requisite: BCM 302

This course aim is to introduce students to basic concepts of active thermal systems, their design and applications.

BCM 401 Graduation Project (1,6,0:4)

Pre-Requisite: BCM 300 - BCM 502

This course is designed for the final year undergraduate students who have an interest in pursuing a solution for the special problem, through individual or as a group research and design project. The selection of project requires the consent of the instructor and approval of the Department Chairman.

BCM 402 Building Conservation (2,2,0:3)

Pre-Requisite: BCM 140, BCM 341

This course aims to introduce students to methods and techniques of building conservation.

BCM501 Engineering Training I (2,0,0:2)

Pre-Requisite: BCM 200, BCM 241

Students taking Training-I need to be engaged/trained in professional consulting offices of constructors, builders, retrofit designers, facility and estate management, civil engineering and architectural firms.

BCM 502 Engineering Training II (2,0,0:2)

Pre-Requisite: BCM 300, BCM 322

Students taking Training-II need to be engaged/trained in professional consulting offices of quantity surveyors, building estimation and costing, building surveyors, building appraisal and related services, public and private organizations, construction management, construction materials manufacturing and marketing industry.

Specialisation Electives

BCM 601 Building Pathology (3,0,0:3)

Pre-Requisite: None

This course will provide an interdisciplinary approach to the study of defects and performance in order to develop appropriate remedial and management solutions. It considers how the structure and materials of a building relate to its environment, its occupants, and the way the building is used. This course will also help the student to develop a better understanding about building failures and to improve the design practice.

BCM 600 Control Systems in Buildings (3,0,0:3)

Pre-Requisite: None

This course will focus on design and installations of smart control system used in various types of building, serves different function ranges from; security, accessibility, privacy, fire safety ventilation, energy conservation and resource conservation. ‘

BCM 602 Lighting and Acoustics (3,0,0:3)

Pre-Requisite: None

This course aims to familiarize students with basic principles and means of the Design and Measurement of Lighting and Acoustics, as well as its Impact on the Environment.

ARC 580 Selected Topics in Architecture (3, 0, 0: 3) Pre-requisite: None

This course introduces students to how to discuss and trigger the most important issues vital to their academic and professional development. It helps them organize their thoughts and interests in a systematic way in relation to their architecture education. The course also enables students to express various progress in architectural education of a special field both orally, by writing and graphically.

ARC 581 Interior Design and Coloring (1, 4, 0: 3) Pre-requisite: None

The course covers interior design and coloring with emphasis on watercolor technique, poster color and pencil color and interior space coloring.

ARC 584 Advanced CAAD Application (1, 4, 0: 3)

Pre-requisite: BCM 243

The course concentrates on basics of BIM. AutoDesk Revit is the program of choice. Students are taught how to use building elements and put them in the BIM database.

ARC 585 Research and Design Methods (3, 0, 0: 3)

Pre-requisite: None

The course covers a comprehensive survey of qualitative and quantitative research methods and their method-specific hypothesis formulation, data acquisition, verification and analysis.

ARC 589 Geographic Information Systems (1, 4, 0: 3)

Pre requisite BCM 243

The development and history of GIS, present applications of the technology. Essential elements of a Geographic Information System. Basic concepts and principles of Geographic Information Systems.

ARC 583 Photography (1, 4, 0: 3)

Pre-requisite: None

This is an introductory course to photography. It deals with the principles of photography such as light exposures, compositions, and film developing. Types and uses of cameras, lenses, flashes, filters, and other accessories are discussed and applied. The course also involves photographing buildings and students' projects, portfolio design, and the use of digital cameras.

ARC 582 Real Estate Development (3, 0, 0: 3)

Pre-requisite: None

The course will conduct market surveys and analysis studies, site consideration and selection, financial feasibility and documentation for real estate development. The students will be introduced to carry forth a real estate development project from the proposal (project formation) stage into final proposal. Manage project more effectively. Keep a project notebook, or digital file.

Department of Interior Design

The Bachelor of Interior Design (BID) program at Ajman University started in 1999 as a four-year program. Its first batch of students graduated in 2003 in the same year of receiving the first eligible accreditation. The second batch of students in BID graduated in 2008 a year after the re-accreditation received in 2007. ID department has carried out minor/slight modifications requested by CAA, and the latest re-accreditation was approved in April 2013, and it was applied in September 2013 taking into consideration all requirements and improvements.

The BID program requires 134 Credit Hours for graduation. The total program credit hours includes four credit hours of practical training (Internship) in interior design organization (governmental or private). The remaining 130 Credit Hours (Cr. Hrs.) of coursework are distributed over eight full semesters. Therefore, students can only complete all the requirements for graduation in four years. For graduation, a student must have cumulative GPA of at least 2.0. After the completion of 4 years study, students are awarded a Bachelor in Interior Design.

The program is designed to develop and enhance artistic abilities as well as scientific engineering knowledge to graduate students capable to design, supervise, and implement any Interior Design project.

The program will prepare the students to provide services to the community keeping in view its interests and needs. It provides a strong foundation and helps the students to achieve their full potential. In addition, it develops a self-motive approach to perform work in a team and utilization of vision in the workplace.

Interior Design program, objectives and outcomes definitions have been stated according to the latest guidelines from Ministry of Education (CAA January 2011).

Bachelor in Interior Design

Mission

The Department of Interior Design provides high-quality interior design education to its students by focusing on developing their technical as well as generic skills so that they are well qualified for gainful employment in interior design discipline and can effectively contribute to the advancement of the community. The Interior Design program also aims to prepare its students for postgraduate study.

Goals

The ID Program Goals, also referred to as Program Educational Objectives (PEOs) are stated below.

Graduates of Interior Design program shall have:

1. A foundation in basic skills and the ability to apply those skills in their design process and presentation.

2. Skills and abilities required for data collection, analysis, design, and evaluation of interior design projects including technical details.
3. The ability to utilize up-to-date technology in the field of interior design, for example, computer-aided design and other software applications, and working drawings and presentations.
4. The ability to work as an efficient team member in multi-professional groups.
5. The ability to recognize environmental factors and cultural, traditional and heritage aspects.
6. The ability of critical thinking and life-long learning.
7. Gained basic information about the interior environment, with the application of lighting, acoustics and human factors.

Alignment of Program Outcomes to QFEmirates

Program Outcomes	Strand 1 Knowledge	Strand 2 Skills	Strand 3 Autonomy & Responsibility	Strand 4 Role in Context	Strand 5 Self-Development
1. Apply the concepts and principles of interior design drawings and techniques	X				
2. Apply a systematic method in data collection in the process in project design and technical details	X				
3. Implement broad knowledge in the field of interior design through, construction details, working drawings, technical specifications and project documents	X				
4. Communicate effectively in multidisciplinary teams and work effectively with other professionals in the ID industry	X				
5. Apply and identify the application of chosen interior design product taking into consideration sustainability, culture, tradition, and heritage aspects	X				

6. Employ and adjust communication professionally in design, conduct development stages, analyze and interpret satisfactory results		X			
7. Direct knowledge in practice, through critical thinking and lifelong self-learning		X			
8. Evaluate, select, and apply modern media as well as software package and information technology		X			
9. Communicate effectively, visually, orally and in written format, and deploy up-to-date presentation techniques to present and explain project		X			
10. Evaluate the theories and design development of the interior design products that reflect the critical thinking		X			
11. Work independently as well as part of a team in a variety of design project process			X		
12. Take responsibility for developing appropriate resolutions to any interior design outcomes			X		
13. Demonstrate professional quality appropriate to the design project				X	
14. Manage the achievement of desired outcomes individually or within the teamwork				X	

15. Express the ability to follow contemporary issues and describe the impact of different interior design solutions in local and international community frameworks				X	
16. Find out from credible resources as well as from experiences earned in various circumstances, and thus enhance their knowledge and skills throughout their professional career					X
17. Apply and analyze ethical standards in professional practice					X

Admission Requirements

Admission to the Interior Design program requires a UAE Secondary School Certificate, or its equivalent, with a minimum acceptable grade of 60 percent. For more information, please refer to the university admissions policy

Career Opportunities

A graduate from the Interior Design program is qualified by education, experience and examination to develop interior designs for the purpose of improving the quality of life, increasing productivity, and protecting the health, safety, and welfare the public.

A graduate is able to take up a job position as an:

- Interior Designer
- Interior Teaching Assistant
- Project Manager Assistant
- Business Marketing Assistant

Graduation Requirements

The Bachelor in Interior Design will be awarded upon the fulfillment of the following:

Successful completion of all courses in the program curriculum (130 Credit Hours)

Successful completion of four Credit Hours of Engineering Training

A minimum cumulative AGPA of 2.0

Degree Requirement

The Bachelor degree in Interior Design requires the completion of 134 Cr. Hrs. distributed according to the following plan:

Classification	No. of Courses	Total Credit Hours
University Requirements(Compulsory)	5	15
University Requirements(Elective)	3	9
College Requirements (Compulsory)	2	6
Department requirements (Compulsory)	29	95
Interior Design Elective Courses	3	9
Total	42	134

University Requirements – Compulsory: (15Cr. Hrs.)

Compulsory	Course Code	Course Name	Credit Hours
Arabic (3 credit hours)	ARB 111	Communication Skills in Arabic (Arabic Medium Schools)	3
	ARB 112	Arabic for Non-Arabs	3
	ARB 111	Communication Skills in Arabic-E- (English Medium Schools)	3
Islamic (3 credit hours)	ISL 114	Islamic Culture (Arabic)	3
	ISL 112	Islamic Culture (English)	3
Innovation and Entrepreneurship (3 credit hours)	INN 311	Innovation and Entrepreneurship	3
Information Technology (3 credit hours)	COM 111	IT Fundamentals	3
Quantitative and Critical Reasoning (3 credit hours)	STA 111	Statistics	3

University Requirements – Elective: (9Cr. Hrs.)

Area	Course Name	Course code
The humanities or arts	**One course (3 credits) from the following list:**	
	Introduction to Hadeeth and Sunna	ISL211
	Academic Writing (English)	ENG113
	Introduction to Digital Photography	ART211
	French Language	FRE211
	Principles of Architecture and Art	ARC211
	Principles of Interior design	DES211
	Introduction to Art	ART112
	The Art of Written Expression (Arabic)	ARB113
	The Art of Public Speaking (English)	ENG211
	Islamic Civilization (Arabic)	ISH211
	Islamic Civilization (English)	ISH211
	Legal Culture	LAW211
The natural sciences	**One course (3 credits) from the following list:**	
	General Physics	PHY111
	Astronomy	AST211
	General Chemistry	CHM111
	General Biology	BIO111
The social or behavioral sciences	**One course (3 credits) from the following list:**	
	Family System	SOC113
	Library Information System	INF113
	Economic Concepts	ECO211
	Entrepreneurship development	ENT 211
	Emirates Society (English)	EMS111
	Emirates Society (Arabic)	EMS111
	English Communication Skills	ENG111
	Introduction to communication Sociology	SOC111
	Information Society	INF211
	Media Culture	INF 112

	Communication Between Cultures	SOC 112
	General Psychology (English)	PSY111
	General Psychology (Arabic)	PSY111

College Requirements (3Cr. Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
MTH 131	Math for Management	2	0	2	3	---

Specialization Requirements Compulsory: (98Cr. Hrs.)

Course No.	Course Title	Th.	St.	Tut.	Cr. Hrs.	Prerequisite
BID 111	Introduction to Interior Design	1	4	---	3	---
BID 249	Psychology of Design	3	---	---	3	BID 231
BID 121	CAD I For Interiors	1	4	----	3	COM 111
BID 235	CAD II For Interiors	1	4	----	3	BID 121
BID 115	Technical writing for ID	3	---	---	3	---
BID 113	Freehand Drawing I	1	4	----	3	---
BID 128	Freehand Drawing II	1	4	-----	3	BID 113
BID 112	Engineering Graphics for Interiors	2	2	0	3	---
BID 114	Materials Technology	2	---	---	2	---
BID 126	Interior Design I	1	6	----	4	BID 111
BID 232	Model Building	1	4	----	3	BID 114 & BID 112
BID 231	Interior Design II	1	6	----	4	BID 126
BID 246	Interior Design III	1	6	----	4	BID 231
BID 233	History of Interior Design I	3	---	---	3	BID 126
BID 248	History of Interior Design II	3	---	---	3	BID 233
BID 127	Color in Interior Design	2	2	----	3	---
BID 247	Interior Construction I	2	2	----	3	BID 114 & BID 112
BID 129	Furniture Design	1	4	-----	3	BID 111 & BID 112
BID 234	Lighting & Acoustics in Interior Design	2	2	----	3	BID 126

BID 351	Interior Design IV	1	8	----	5	BID 246
BID 364	Interior Design V	1	8	----	5	BID 351
BID 352	Interior Construction II	2	2	----	3	BID 247
BID 353	Interiors in the UAE	3	---	----	3	BID 246
BID 365	Working Drawings I	2	2	----	3	BID 352
BID 484	Practice in Interior Design	3	--	--	3	BID 472
BID 366	Sustainability for ID	3	---	---	3	BID 351
BID 472	Working Drawings II	1	2	----	2	BID 352
BID 471	Graduation Project I	2	2	----	3	BID 364
BID 483	Graduation Project II	1	8	----	5	BID 471
BID 410	ID Practical Training	---	---	---	4	BID 364

Specialization Requirements Electives: (9 Cr. Hrs.)

The student will take three of the following Specialization Electives as approved by the academic advisor.

Course No.	Course Title	Th.	St.	Tut.	Cr. Hrs.	Prerequisite
BID 501	Selected Topics in Fur. Des	1	4	---	3	BID 351 & BID 129
BID 502	Islamic Interiors	3	---	---	3	BID 351
BID 503	Theory of Interior Design	3	---	---	3	BID 351
BID 504	Selected Topics in Interior Design	1	4	---	3	BID 351
BID 505	Architectural Design for Interiors	1	4	---	3	BID 351

Course Sequencing Plan

First-Year – Fall Semester

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	St. Hrs.	Pre-req.
BID 111	Introduction to Interior Design	3	1	4	---
BID 112	Engineering Graphics for Interiors	3	2	2	---
BID 113	Freehand Drawing I	3	1	4	---
BID 114	Materials Technology	2	2	--	---
COM 111	IT Fundamentals	3	2	2	---

ISL 114	Islamic Culture	3	3	1 Tut.	---
Total		17			

First-year – Spring Semester

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	St. Hrs.	Lab Hrs.	Pre-req.
BID 126	Interior Design I	4	1	6	0	BID 111
BID 127	Color in Interior	3	1	4	0	BID 111
BID 128	Freehand Drawing II	3	1	4	0	BID 113
BID 129	Furniture Design	3	1	4	0	BID 111 & BID 112
BID 121	CAD I for Interiors	3	1	0	4	COM 111
BID 115	Technical Writing for	3	3	--	0	
Total		19				

Second-Year – Fall Semester

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	St. Hrs.	Lab. Hrs.	Pre-req.
BID 231	Interior Design II	4	1	6	0	BID 126
BID 233	History of Interior Design I	3	3	---	0	BID 126
BID 232	Model Building	3	1	0	4	BID 112 & BID 114
BID 234	Lighting &Acoustics for ID	3	2	2	0	BID 126
BID 235	CAD II for Interiors	3	1	0	4	BID 121
STA 111	Statistics/Art Major	3	2	2 (Tut.)	0	
Total		19				

Second-Year – Spring Semester

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	St. Hrs.	Pre-req.
BID 246	Interior Design III	4	1	6	BID 231
BID 248	History of Interior Design II	3	3	0	BID 233
BID 247	Interior Construction I	3	2	2	BID 112 & BID 114
BID 249	Psychology of Design	3	3	0	BID 231
ARB 111	Communication skills in Arabic Language	3	3	0	---
	University Elective	3	---	---	

Total		19			

Third-Year - Fall Semester

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	St. Hrs.	Pre-req.
BID 351	Interior Design IV	5	1	8	BID 246
BID 352	Interior Construction II	3	2	2	BID 247
BID 353	Interiors in the UAE	3	3	0	BID 248
INN 311	Innovation and Entreneurship	3	3	0	---
MTH 131	Math for Management	3	3	2 (Tut.)	---
Total		17			

Third-Year - Spring Semester

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	St. Hrs.	Pre-req.
BID 364	Interior Design V	5	1	8	BID 351
BID 365	Working Drawings I	3	2	2	BID 352
	Special Elective I	3			
BID 366	Sustainability for ID	3	3	0	BID 351
	University Elective II	3			
Total		17			

EXTERNAL TRAINING I [2 Cr. Hrs. (6 weeks)]

Fourth-Year – Fall Semester

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	St. Hrs.	Pre-req.
BID 471	Graduation Project I	3	2	2	BID 364
BID 472	Working Drawings II	2	1	2	BID 365
	University Elective III	3			
	Special Elective II	3			
Total		11			

Fourth-Year – Spring Semester

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	St. Hrs.	Pre-req.
BID 483	Graduation Project II	5	1	8	BID 471
	Special Elective III	3			

BID 484	Practice in Interior Design	3	3	0	BID 472
Total		9			

EXTERNAL TRAINING II [2 Cr. Hrs. (6 weeks)]

Course Descriptions

Introduction to Interior Design Course Code: BID 111

*Credit Hours: **3Cr. Hrs.:** Theory (1 hr.), Studio (4 hrs.)*
Pre-Requisite: None
Co-Requisite: BID 112 & BID 114

This course aims to introduce students to the basic elements of design, its principles, visual aspects with their perception, design vocabulary and their application in design. It also familiarizes the students with the implementation of fundamental concepts and elements of Interior Design.

Engineering Graphics for Interiors Course Code: BID 112

*Credit Hours: **3Cr. Hrs.:** Theory (2 hrs.), Studio (2 hrs.)*
Pre-Requisite: None
Co-Requisite: None

This course aims to familiarize students with basic drafting skills and essential fundamental concepts of interior design drafting by introducing the principle of parallel- line drawings, orthogonal projections, and rendering techniques. It enables students to understand the use of 2-D, 3-D parallel and orthographic projections in interior design projects.

Freehand Drawing I Course Code: BID 113

*Credit Hours: **3Cr. Hrs**: Theory (1 hr.), Studio (4 hrs.)*
*Pre-Requisite**:** None*
Co-Requisite: None

This course aims to introduce a solid grounding in the principles of freehand drawing. The emphases are on teaching basics of drawing and composition, including how to create sketch perspectives, assume scale, and introduce textures and tones into their illustrations of interior spaces. It enables students to conceptualize their imagination in the field of interior design.

Materials Technology Course Code: BID 114

*Credit Hours: **2 Cr. Hrs.**: Theory (2 hrs.)*
Pre-Requisite: None
Co-Requisite: None
This course aims to provide the interior design students the technical aspects of surface and structural materials. It enables students to learn how to apply innovative material concepts of three-dimensional design to the reality of finished space in respect of human behavior, environmental needs, and regulations.

Technical Writing for Interior Design ***Course Code: BID 115***

*Credit Hours: **3Cr. Hrs.**: Theory (3 hrs.)*
Pre-Requisite: None
Co-Requisite: None

This course intends to develop interior design students' proficiency and communicative competence in technical/professional writing and oral presentation skills.
Following the statement that "Write to communicate," in Design should be focused on showing rather telling, students learn how to organize and express facts and ideas about their profession through written words. Coursework focuses on the production of technical and research documents used in industry for possible audiences, simultaneously practical and interactive assignments designed specially to improve their verbal communication.

Interior Design I **Course Code: *BID 126***

*Credit Hours: **4Cr. Hrs.**: Theory (1 hr.), Studio (6 hrs.)*
Pre-Requisite: Introduction to Interior Design (BID 111)
Co-Requisite: BID 127, BID 129

This course introduces the students to residential interior design and its requirements, including interior space planning, furniture arrangements, and design treatments. Students should be introduced to the basics of interior design concept, gathering data of several client's needs and types. Classify the residential activities and functions to arrange the elements of interiors, like furniture, accessories, and floor wall ceiling materials, in a unified design.

Color in Interior Design ***Course Code: BID 127***

*Credit Hours: **3 Cr. Hrs.**: Theory (2 hrs.), Studio (2 hrs.)*
Pre-Requisite: None
Co-Requisite: Interior Design I (BID 126)

This course provides students with a background in color theories as it relates to interior design including color schemes. The class consists of lectures, discussions and in-class exercises through individual and group work. Lectures explain the physics of color, color theories, physiology of color, the psychology of color, color in art and practical assignments focusing on the application of color in residential design project in the design studio.

Freehand Drawing II Course Code: BID 128

*Credit Hours: **3 Cr. Hrs.**: Theory (1 hr.), Studio (4 hrs.)*
Pre-Requisite: Freehand Drawing I (BID 113)
Co-Requisite: None

This course is the one built on the knowledge and skills acquired in freehand I. Students continue developing the cognitive process associated with the drawing studies of space in multiple relationships. Variety of assignments emphasize on students learning the development of personal, introspective illustrations and rapid concept development as well as an exploration of various media in experimental applications.

Furniture Design Course Code: BID 129

*Credit Hours: **3 Cr. Hrs.**: Theory (1 hr.), Studio (4 hrs.)*
Pre-Requisite: Introduction to Interior Design (BID 111) , Engineering Graphics for Interiors (BID 112)
Co-Requisite: Interior Design I (BID 126)

This course is an introduction to the furniture design process considering all its aspects such as aesthetic design issues, structure, ergonomics, anthropometry functionality, materials technology, and manufacturability. The course also incorporates the study of history and design of residential and commercial furniture styles and periods along with the contemporary design, which leads the Students to utilize the design process to explore and formulate concepts, communicate those design ideas, and fabricate a quality furniture piece based on their research and design solutions.

CAD I for Interiors Course Code: BID 121

***Credit Hours: 3 Cr. Hrs.**: Theory (1 hr.), Lab (4 hrs.)*
***Pre-Requisite:** IT Fundamental (COM 111)*
***Co-Requisite:** None*

This course aims to introduce students to Computer Aided Design and drafting (CADD) and its application for interior design projects using AutoCAD software. Topics include 2D tool palette, object information, resources and command box windows, dimensioning tool, scale, layers, line weight and symbols. It is also includes file management, printing and plotting methods enable students to demonstrate their understanding, skills and proficiency in producing both "presentation" and "technical" styles of Interior design drawings.

Interior Design II ***Course Code: BID 231***

*Credit Hours: **4 Cr. Hrs.**: Theory (1 hr.), Studio (6 hrs.)*
Pre-Requisite: Interior Design I (BID 126)
Co-Requisite: BID 232, BID 234

This course introduces students to the factors important in the successful design of retail stores, cafés, restaurants and hair salons in urban and shopping mall settings. Students learning comprises many aspects from interior space utilization, façade design, display fixtures fitting and furniture design, visual merchandising to signage and lighting design principles as well as the role of the interior designer in branding and the selling of a product by understanding customer behavior.

Model Building **Course Code: BID 232**

*Credit Hours: 3 **Cr. Hrs.**: Theory (1 hr), Lab(4 hrs).*
Pre-Requisite: Engineering Graphics for Interiors (BID 112), Materials Technology (BID 114).
Co-Requisite: Interior Design II (BID 231)

This course is an introduction to understanding the way that designers use models in their design project. Students are encouraged to learn that three-dimensional model is making from a variety of simple materials, sculpting, mold-making, wood joinery, laser cutting and 3D printing to support design development for their design projects. In addition, an induction lecture helps students to arrange the materials on samples board for their design project.

History of Interior Design I ***Course Code: BID 233***

*Credit Hours**: 3 Cr. Hrs.**: Theory (3 hrs.)*
Pre-Requisite: Interior Design I (BID 126)
Co-Requisite: None

This course aims to introduce students a critical overview of the history of interior design, its connection to different periods and cultures, and its integral relationship with the interior, architecture, and decorative arts. Lecture, readings, and field trips focus on the development of major forms, period styles, and ornament from ancient Egypt, Greece, and Rome through the Renaissance, Baroque, Rococo, and Neoclassical eras.

Lighting & Acoustics for Interior Design ***Course Code: BID 234***

*Credit Hours: **3 Cr. Hrs.**: Theory (2 hrs.), Studio (2 hrs.)*
Pre-Requisite: Interior Design I (BID 126)
Co-Requisite: Interior design II (BID 231)

The course aims to introduce interior design students with lighting design system, lighting graphics, the creation of specifications' legend and basic control systems as well as special topics such as decorative luminaires and energy efficiency. The course explores the physical influence of lighting on color. The course includes in-depth mathematical calculations used to determine the amount of natural and artificial lighting and acoustic treatment required to meet specific codes and clients' needs. Various factors of sound and vibration control are also included to understand acoustic behavior in interior space.

CAD II for Interiors **Course number: BID 235**

*Credit hours: **3 Cr. Hrs.**: Theory (1 hr.), Lab (4 hrs.)*
Pre-Requisite: CAD I for Interiors (BID 121)
Co-Requisite: None

Building on the skills from CAD I, this course aims to teach students an advanced three dimensional, rendering and presentation software packages. In addition, students will utilize their learning skills to develop their projects and design analyses outcome, which will enhance their 3D computer visualization skills, as well as generative types of CAD concepts.

Interior Design III Course Code: BID 246

*Credit Hours: **4 Cr. Hrs.**: Theory (1 hr.), Studio (6 hrs.)*
Pre-Requisite: Interior Design II (BID 231)
Co-Requisite: BID 249

The course aims to introduce students to commercial interior design such as offices' interiors in the setting of administrative and public buildings. The course contents would then enable the students to design office interiors with emphasis placed on planning, circulation, furniture arrangement, color, lightings and other design treatments. The students can recognize the organizational charts and the nature of the business to provide the successful design.

Interior Construction I ***Course Code: BID 247***

*Credit Hours: **3 Cr. Hrs.**: Theory (2 hrs.), Studio (2 hrs.)*
Pre-Requisite: Engineering Graphics for Interiors (BID 112), Materials Technology (BID 114)
Co-Requisite: Interior Design III (BID 246)

This course would help students, both in exploring the finishing materials, and in understanding, the principle involved in selecting materials for interior spaces. They will identify the elements of interior structure, and recognize physical and visual properties, dimensional characteristics of common used finishes for interior spaces by using the graphic material symbols in their drawings.

History of Interior Design II ***Course Code: BID 248***

*Credit Hours: **3 Cr. Hrs.**: Theory (3 hrs.)*
Pre-Requisite: History of Interior Design I (BID 233)
Co-Requisite: None

This course introduces students to ideas and approaches to the study of design history and theories with particular emphasis on the contemporary interior environment. Lectures, discussion and field trips help students to explore wide range of built environment and the use of historical documents. Analysis of various movement and their development phase enable students to understand broad historical frameworks.

Psychology of Design ***Course Code: BID 249***

*Credit Hours: **3 Cr. Hrs.**: Theory (3 hrs.)*
Pre-Requisite: Interior Design II (BID 231)
Co-Requisite: Interior Design III (BID 246)

The course introduces the students to the basic psychology of designing spaces that deals with human occupancy. The study of interaction between human behavior and physical environment enable the students to examine perception and cognition, cultural differences in spatial context, proxemics and the role of values in the design of interior environment. Focusing on socio-psychology and aesthetics, students analyze all other aspects of human behavior in interior atmosphere to design comfortable environment for the end user.

Interior Design IV Course Code: BID 351

*Credit Hours: **5 Cr. Hrs.**: Theory (1 hr.), Studio (8 hrs.)*
Pre-Requisite: Interior Design III (BID 246)
Co-Requisite: Interior Construction II (BID 352)

This course provides students with an introduction to the process of designing hospitality areas specifically hotel interiors. Lectures from guest speakers and industry professionals enable students to gain an overview of all aspects of hotel design including designing for communal areas and understanding room typologies. Students learn how to create a concept based on local culture its influence and how to respond to a brief from a client. Their learnings extended to the field of interior landscape design. The off-site visits take place at a luxury hotel to understand the operation of these hotels that help them to create successful design.

Interior Construction II ***Course Code: BID 352***

*Credit Hours: **3 Cr. Hrs.**: Theory (2 hrs.), Studio (2 hrs.)*
Pre-Requisite: Interior Construction I (BID 247)
Co-Requisite: Interior Design IV (BID 351)

This course would assist the students exploring the interiors' structural elements such as load bearing structure, partitions, door construction, ceiling and floor design system including interior furnishing and its construction details, based on information gathered within the previous pre-request course interior construction I. In addition, it improves their understanding of custom design working.

Interiors in the UAE ***Course Code: BID 353***

*Credit Hours: **3 Cr. Hrs.**: Theory (3 hrs.)*
Pre-Requisite: Interior Design III (BID 246)
Co-Requisite: None

The aim of the course is to allow the students to research and study the various UAE, traditional and contemporary residential interiors. This course would then enable students to develop knowledge for the local culture, customs and materials used in UAE constructions, which would help them to utilize this in their current and future design projects.

Interior Design V Course Code: BID 364

*Credit Hours: **5 Cr. Hrs.**: Theory (1 hr.), Studio (8 hrs.)*
Pre-Requisite: Interior Design IV (BID 351)
Co-Requisite: BID 365, BID 366

This course aims to introduce students to design various types of exhibitions areas i.e. Temporary exhibitions, permanent exhibitions, museum and trade shows etc. Students refine their skills and knowledge while designing an exhibition using an existing plan with focus on how the various elements of an exhibition plan (such as architecture, lighting, display furniture, and didactics) aid the audiences' interpretation of the artefacts. Students learn how to select the appropriate form of documentation for the exhibitions they create for their projects (trade shows and museums).

Working Drawings I Course Code: BID 365

*Credit Hours: **3 Cr. Hrs.**: Theory (2 hrs.), Studio (2 hrs.)*
Pre-Requisite: Interior Construction II (BID 352)
Co-Requisite: Interior Design V (BID 364)

The aim of this course is to introduce students to working drawings sets provide dimensioned, graphical information that can be use by a contractor to construct the interiors, or by suppliers to fabricate components of design to assemble or install them as per requirement on site. Focusing on design project detailing, students also learn the construction techniques of their custom design components in this course.

Sustainability for Interior Design ***Course Code: BID 366***

Credit Hours: ***3 Cr. Hrs.****: Theory (3 hrs.)*
Pre-Requisite: Interior Design IV (BID 351)
Co-Requisite: None

The aim of this course is to introduce the methodology of sustainability to the interior design students. The environmental issues are an important part in our life and in our future. The interior design field is concerned about the welfare of the people and their interior, so they need to have a sound knowledge of sustainability and its impact on the individual and society. This course should have as a primary objective to explain and recognize the basic meaning of sustainability as philosophy, concept, and principles to guide our students from the first level of the design to construction as well as post construction phase.

Graduation Project I ***Course Code: BID 471***

Credit Hours: ***3 Cr. Hrs.****: Theory (2 hrs.), Studio (2 hrs.)*
Pre-Requisite: Interior Design V (BID 364)
Co-Requisite: None

The aim of this course is to help the students in the preparation of an analytical and technical report of their individually chosen graduation project, and would be able to gather data successfully of any chosen project, to collect and analyze needed information for the chosen project, develop in aesthetics and functional needs in interior design spaces.

Working Drawings II **Course Code: BID 472**

Credit Hours: ***2 Cr. Hrs.****: Theory (1 hr.), Studio (2 hrs.).*
Pre-Requisite: Working Drawings I (BID 365)
Co-Requisite: None

Follow-up with the course working drawing I, students prepare a complete set of contract documents means by which interior design communicate to the building construction industry, code officials, product manufacturers, suppliers, vendor and fabricators. These documents includes Working drawings, specifications, bill of quantities, work schedule etc. While working on given design project, students will acquire a logical approach of these document preparations.

Graduation Project II **Course number: BID 483**

Credit hours: ***5 Cr. Hrs.****: Theory (1 hr.), Studio (8 hrs.)*
Pre-Requisite: Graduation Project I (BID 471)
Co-Requisite: None

The course gives the student an opportunity to explore his/her ability and knowledge of dealing with actual existing project in interior design. By using the suitable furnishing requirements, student can create an aesthetic and functional interior design through two main objectives, theoretical and practical to define the different functions applications and its positive and negative points.

Practice in Interior Design *Course Code: BID 484*

*Credit Hours: **3 Cr. Hrs.**: Theory (3hrs.)*
Pre-Requisite: Working Drawing II (BID 472)
Co-Requisite: Graduation Project II (BID 483)

The aim of this course is to incorporate the basic business theories into the practice of Interior Design. It covers the various principles, which constitute the pillars of business science, to the Interior Design professional. The course develop the skills required in the field of interior design marketing and prepares the students both for employment as well as for future opportunities to set up their own design office as a professional business.

Selected Topics in Furniture Design *Course Code: BID 501*

*Credit Hours: **3 Cr. Hrs.**: Theory (1 hr.), Studio (4 hrs.)*
Pre-Requisite: Furniture Design (BID 129), Interior Design IV (BID 351)
Co-Requisite: None

The aims of the course is to make students more familiar with programming and conceptual design expressed in sketches, and models, as well as with shop drawings and presentation drawings, understanding the aesthetic and functional/ ergonomic aspects of furniture as well as the technological aspects of producing furniture. This course should help students understand some sociological factors that influence the methodologies of educational investigation in interior and furniture design. This project will assess their presentation skill, imagination and creativity.

Islamic Interiors Course number: BID 502

*Credit hours: **3 Cr. Hrs.**: Theory (3 hrs)*
Pre-Requisite: Interior Design IV (BID 351)
Co-Requisite: None

The aim of the course is to allow the students to search and understand the philosophy of Islamic interiors, with emphasis on decorative elements and accessories. At the end of the course students would be able to implement the basic rules of Islamic interiors depend on the chosen style, using basically the decorative components of Islamic interiors such as; pattern, color, trims and accessories.

Theory of Interior Design ***Course Code: BID 503***

Credit Hours: ***3 Cr. Hrs.****: Theory (3 hrs).*
Pre-Requisite: Interior Design IV (BID 351)
Co-Requisite: None

The aim of this course is to strengthen the students' theoretical background throughout analyze, criticize, and methods and discovering the contemporary theories of designing interiors.

Selected Topics in Interior Design ***Course Code: BID 504***

Credit Hours: ***3 Cr. Hrs.****: Theory (1 hr.), Studio (4 hrs.)*
Pre-Requisite: Interior Design IV (BID 351)
Co-Requisite: None

The aim of this course is to enable the students to develop in research, analysis and criticism capability in the interior design project not covered in design courses. It aims also to explore and present selected topics in interior design. Guiding study and exploration of subjects not covered by other courses in the discipline and successfully analyze, criticize interior design spaces through recognize the program design for divers' project type.

Architectural Design for Interiors ***Course Code: BID 505***

Credit Hours: ***3 Cr. Hrs.****: Theory (1 hr.), Studio (4 hrs.)*
Pre-Requisite: Interior Design IV (BID 351)
Co-Requisite: None

The aim of the course is to enhance the interior design students' skills in creating and solving special problem related to the function of interior spaces; re-designing partitions based on structure information, adding new spaces to success the interior design function, to integrate the interior design with the architectural building. As well as to complete the interior design curriculum by designing the landscape spaces with its need of light building structures as an artistically sculpted structures to fit the aesthetical need of this area.

Interior Design Practical Training ***Course Code: BID 410***

Credit Hours: ***4 Cr. Hrs.****: (2-2 Hrs. External Training)*
Pre-Requisite: Interior Design V (BID 364)
Co-Requisite: None

The aim of this training is to enable students gaining basic professional interior design knowledge, such as; interior finishing materials, suppliers, materials specification, bill of quantity, cost estimation.

College of Pharmacy and Health Sciences

The College of Pharmacy and Health Sciences (COPHS) was founded in accordance with the university's policy of establishing an innovative medical environment which embraces health sciences, i.e. dentistry, medical technology, etc., in addition to pharmacy. The establishment of COPHS is intended to meet the demand for pharmacists in hospitals and community pharmacies, and to provide manpower for the increasing number of private pharmacies and the growing pharmaceutical industry in the UAE and the region.

Mission

The mission of the College of Pharmacy and Health Sciences is to create an environment that promotes excellence in pharmaceutical education, practice and research. It is committed to the continuous improvement of its programs to keep abreast with the rapid advances in the profession of pharmacy and the provision of pharmaceutical care. It strives to prepare students to become competent, reliable and ethical health care professionals.

Degree Programs

The College offers the following two programs:

Bachelor of Pharmacy (BPharm)

Master of Science in Pharmacy

Facilities

Laboratory Facilities

The college has several laboratories, covering the various branches of pharmaceutical science, which have the latest equipment. These laboratories have the instrumental apparatus which will enable students to gain sound practical skills as well as integrate theoretical study with real practical methods and techniques.

Computer Facilities

The college receives full technical support and assistance from the University Computer Center which provides its services all year round to administrators, staff and students. The computer laboratories at the center are well-equipped and are available for use throughout the day; they are administered by trained staff who assist in solving problems and answering queries.

Research Facilities

The College has dedicated state-of-the-art research laboratory facilities equipped with essential modern equipment and instruments to conduct faculty and student research projects. Sophisticated equipment are annually added to the existing ones, and internal research grants are provided to faculty to accomplish their research tasks.

Dedicated OSCE and Collaborative Learning Room

The College provides spacious room to assist in conducting objective structured clinical exams (OSCE) and for collaborative student learning sessions. The room is equipped with large LED TV and video camera to record role playing.

Virtual Pharmacy

The College has its own virtual pharmacy room with large range of medicines. It has 20 computers in 5 round tablets and a large LED TV. It is utilized to simulate real experience and equip students with the necessary skills they need in their real experiential courses.

Bachelor of Pharmacy

Program Objectives

To prepare students for the practice of pharmacy by providing them with the scientific background, clinical and technical skills that they will need to successfully complete their program of study.

To provide an educational environment that enables students to acquire the behavior, and moral and ethical attitudes they will need to practice the profession competently and ethically.

Program Outcomes

The intended outcomes of the program are that students will be able to:

- Demonstrate knowledge of the basic and clinical science background of pharmacy practice.
- Demonstrate knowledge of the basic skills and techniques involved in drug manufacture and development, drug design and screening and quality assurance of pharmaceutical products.
- Demonstrate knowledge of the rational use of herbal supplements, fundamentals of phytotherapy and the hazards of poisonous and abused natural products.
- Implement the processes of compounding and dispensing medications, interpreting prescription orders and applying calculations related to the compounding and dispensing of medicines.
- Participate in patient care by influencing optimal drug choice, type of dosage form and the design of dosage regimens.
- Develop problem solving and critical thinking abilities and the ability to retrieve, evaluate and manage information in the literature.
- Demonstrate the ability to write clear and organized reports, and to present oral communications.
- Demonstrate the ability to lead and to function both independently and as a member of a team.
- Display legal, moral and ethical attitudes and behaviors consistent with the standards of the profession.

- Develop communication skills in order to effectively counsel patients on their medications.
- Develop the necessary skills in information use and management to educate health care professionals and the public in optimal drug therapy.
- Develop independent study skills for life-long learning and continuous professional development.

Mapping of the B. Pharm PLOs to the UAE's qualification framework.

UAE's Qualifications Frameworks Learning Outcomes Strands		B. Pharm. Program learning outcomes (PLOs)
On successful completion of the B.Pharm program, graduates will be able to:		
Knowledge		K1. Demonstrate knowledge of the basic and clinical science background of pharmacy practice.
		K2. Demonstrate knowledge of the basic skills and techniques involved in drug manufacture and development, drug design and screening and quality assurance of pharmaceutical products.
		K3. Demonstrate knowledge of the rational use of herbal supplements, fundamentals of phytotherapy and the hazards of poisonous and abused natural products.
Skill		S1. Implement the processes of compounding and dispensing medications, interpreting prescription orders and applying calculations related to the compounding and dispensing of medicines.
		S2. Participate in patient care by influencing optimal drug choice, type of dosage form and the design of dosage regimens.
		S3. Develop problem solving and critical thinking abilities and the ability to retrieve, evaluate and manage information in the literature.
		S4. Demonstrate the ability to write clear and organized reports, and to present oral communications.
Aspects of Competence	**Autonomy and responsibility**	C1. Demonstrate the ability to lead and to function both independently and as a member of a team.
	Role in context	C2. Display legal, moral and ethical attitudes and behaviours consistent with the standards of the profession. C3. Develop communication skills in order to effectively counsel patients on their medications. C4. Develop the necessary skills in information use and management to educate health care professionals and the public in optimal drug therapy.

	Self-development	C5. Develop independent study skills for life-long learning and continuous professional development.

Admission Requirements

Prospective candidates seeking admission to the Bachelor of Pharmacy (BPharm) program should fulfill the following requirements:

Secondary school certificate (science section), or its equivalent, with a minimum grade of 70 percent, approved by the UAE Ministry of Education.

A score of 500 or higher in the TOEFL English proficiency test, or the equivalent.

Personal interview

Demonstration of good conduct and maturity.

Please see the university admission requirements for more detail.

Career Opportunities

The curriculum is designed and continuously improved with the aim of preparing graduates to be able to effectively deliver pharmaceutical services in the private sector as well as in governmental agencies. Pharmacy graduates have the opportunity to work in different placements related to pharmacy profession:

- Community pharmacies
- Hospital pharmacies
- Pharmaceutical industry
- Pharmaceutical scientific laboratories
- Wholesale drug stores
- Medical representatives
- Pharmaceutical administration
- Food control and analysis
- Pharmaceutical education and research

Graduation Requirements

The degree of Bachelor of Pharmacy (BPharm) will be awarded after successful completion of least one hundred and fifty credit hours (150 Credit Hours), including the university requirement courses. The period of study normally takes eight regular semesters and two-three summer semesters. In addition, every student should have field training in community pharmacies, hospital pharmacies and pharmaceutical industry of not less than 600 contact hours which is equivalent to 15 credit hours. The minimum cumulative grade point average (CGPA) for graduation is 2.0.

The 150 credit hours including university requirement courses are distributed according to the following plan:

Type of Courses	Credit/hour

1. University General Education Requirements	
(a) University Required Courses	15
(b) University Elective Courses	9
2. College Requirements	
(a) College Required Courses	108
(b) College Required Training Courses	15
(c) College Electives Courses	3
Total Credit Hours	150

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

(a) University Obligatory Courses (15 Cr.Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
ARB111	Communication Skills in Arabic Language (For Arabs)	3	0	0	3	-
ARB112	Communication Skills in Arabic Language (Non Arabs)	3	0	0	3	-
ARB114	Communication Skills in Arabic Language - E	3	0	0	3	-
ISH211	Islamic Civilization (Arabic)	3	0	0	3	-
ISH211	Islamic Civilization (English)	3	0	0	3	-
ISL114	Islamic Culture (For Arabs)	3	0	1	3	-
ISL112	Islamic Culture (Non Arabs)	3	0	0	3	-
INN311	Innovation and Entrepreneurship (English)	3	0	0	3	-
COM111	IT Fundamental	2	2	0	3	-
STA112	Statistics (Health Sciences)	2	2	0	3	-

(b) University Elective Courses (9 Cr.Hrs.)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
LAW111	Legal Culture	3	0	0	3	-
ART111	Introduction to Art (English)	3	0	0	3	-
ART211	Introduction to Digital Photography	3	0	0	3	-
ART112	Introduction to Aesthetics (English)	3	0	0	3	-
FRE211	French Language	3	0	0	3	-

ISL211	Introduction to Hadeeth and Sunna	3	0	0	3	-
ENG113	Academic Writing (English)	3	0	0	3	-
ENG211	The Art of Public Speaking (English)	3	0	0	3	-
AST211	Astronomy (Arabic)	3	0	0	3	-
PHY111	Physics	3	0	0	3	-
NUT111	Fundamentals of Human Nutrition (English)	3	0	0	3	-
AID111	First Aid (English)	3	0	0	3	-
ISH111	History of Science in Islam	3	0	0	3	-
PIO211	Scientific Pionearing	3	0	0	3	-
ENV111	Environmental Sciences (English)	3	0	0	3	-
RES211	Research Methodology (English)	3	0	0	3	-
INF212	Information System (Arabic)	3	0	0	3	-
ECO211	Economic Concepts (English)	3	0	0	3	-
PSY111	General Psychology (English)	3	0	0	3	-
EMS111	Emirates Society (English)	3	0	0	3	-
ENG111	English Communication Skills	3	0	0	3	-
THI211	Critical Thinking (English)	3	0	0	3	-
SOC112	Communication Between Cultures	3	0	0	3	-
INF113	Library Information System	3	0	0	3	-

COLLEGE REQUIREMENTS

(a) College Required Courses:

1. Department of Pharmaceutical Sciences

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
PHA111	Introduction to Pharmacy	2	2	0	3	xxxxx
PHA112	Physical Pharmacy I	2	2	0	3	PHA111
PHA124	Pharmaceutical Botany	2	2	2	3	xxxxx
PHA125	General Pharmacognosy	3	2	0	4	PHA124
PHA141	Pharmaceutical Organic Chemistry I	2	2	0	3	xxxxx
PHA142	Pharmaceutical Organic Chemistry II	2	2	0	3	PHA141
PHA143	Pharmaceutical Analytical Chemistry I	2	2	0	3	PHA141
PHA212	Physical Pharmacy II	2	2	0	3	PHA112

PHA213	Pharmaceutical Dosage Forms I	2	2	0	3	PHA112
PHA214	Pharmaceutical Dosage Forms II	2	2	0	3	PHA213
PHA244	Pharmaceutical Analytical Chemistry II	2	2	0	3	PHA143
PHA245	Instrumental Analysis I	2	2	0	3	PHA244
PHA311	Biopharmaceutics and Pharmacokinetics I	2	2	0	3	PHA214+ PHA245
PHA312	Biopharmaceutics and Pharmacokinetics II	2	2	0	3	PHA311
PHA313	Pharmaceutical Technology	3	2	0	4	PHA212+PHA214
PHA346	Instrumental Analysis II	2	2	0	3	PHA245
PHA347	Phytochemistry	3	2	0	4	PHA125+PHA346
PHA354	Medicinal and Pharmaceutical Chemistry I	2	2	0	3	PHA142+PHA253
PHA356	Medicinal and Pharmaceutical Chemistry II	2	2	0	3	PHA354
PHA414	Pharmaceutical Technology Training	2	2	0	3	PHA313

2. Department of Clinical Sciences

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
DDS318	Pathology / Pharmacy	2	0	0	2	PHA253
PHA135	Principles of Human Anatomy and Physiology I	3	2	0	4	xxxxx
PHA136	Principles of Human Anatomy and Physiology II	2	2	0	3	PHA135
PHA221	Community Pharmacy Training I	0	0	0	3	PHA236
PHA235	Pharmacology and Therapeutics I	2	2	0	3	PHA136
PHA236	Pharmacology and Therapeutics II	2	2	0	3	PHA235
PHA251	Biochemistry I	2	2	0	3	PHA142
PHA252	Biochemistry II	2	2	0	3	PHA251
PHA253	Pharmaceutical Microbiology and Immunology	3	2	0	4	PHA251
PHA337	Pharmacology and Therapeutics III	2	2	0	3	PHA236
PHA422	Community Pharmacy Training II	0	0	0	3	PHA221+PHA462
PHA438	Toxicology and Chemotherapy	3	0	0	3	PHA337+DDS318
PHA439	Bioassays and Drug Screening	2	2	0	3	STA112+PHA337
PHA451	Project	2	2	0	3	After 115 Crd. Hrs
PHA461	OTC Drugs and Products	2	2	0	3	PHA337
PHA462	Clinical Pharmacy I	2	2	0	3	PHA312+PHA337

PHA463	Clinical Pharmacy II and First Aid	2	2	0	3	PHA462
PHA464	Marketing and Sales	1	0	0	1	PHA462
PHA465	Pharmaceutical Legislations	1	0	0	1	PHA438
PHA471	Hospital Pharmacy Training	0	0	0	3	PHA337
PHA472	Clinical Pharmacy Training	0	0	0	3	PHA461+PHA462

(b) College Elective Courses:

Students have to study one course of the following (3 Cr. Hrs)

Course No.	Course Title	Th.	Lab.	Tut.	Cr. Hrs.	Prerequisite
PHA423	Community Pharmacy Training III	0	0	0	3	PHA422
PHA441	Nuclear Pharmacy	3	0	0	3	PHA337
PHA448	Phytotherapy	3	0	0	3	PHA347
PHA453	Pharm. Biotechnology	3	0	0	3	PHA252
PHA454	Clinical Microbiology	2	2	0	3	PHA253
PHA455	Gene Therapy	3	0	0	3	PHA252+PHA253

Suggested Study Plan

First Year:

Fall Semester:

Course No.	Course Title	Th.	Lab.	Tut.	Cr.Hrs	Pre-req.
COM111	IT Fundamental	2	2	0	3	xxxxx
PHA111	Introduction to Pharmacy	2	2	0	3	xxxxx
PHA124	Pharmaceutical Botany	2	2	2	3	xxxxx
PHA141	Pharmaceutical Organic Chemistry-I	2	2	0	3	xxxxx
PHA135	Principles of Human Anatomy and Physiology-I	3	2	0	4	xxxxx
	Total	11	10	0	16	

Spring Semester:

Course No.	Course Title	Th.	Lab.	Tut.	Cr.Hrs	Pre-req.
PHA112	Physical Pharmacy-I	2	2	0	3	PHA111
PHA125	General Pharmacognosy	3	2	0	4	PHA124
PHA142	Pharmaceutical Organic Chemistry-II	2	2	0	3	PHA141

PHA136	Principles of Human Anatomy & Physiology-II	2	2	0	3	PHA135
PHA143	Pharmaceutical Analytical Chemistry I	2	2	0	3	PHA141
	Total	11	10	0	16	

Summer Semester:

Course No.	Course Title	Th.	Lab.	Tut.	Cr.Hrs	Pre-req.
INN311	Innovation and Entrepreneuship (English)	3	0	0	3	-
Xxxxxx	University Elective course I	3	0	0	3	-
	Total	6	0	0	6	

Second Year:

Fall Semester:

Course No.	Course Title	Th.	Lab.	Tut.	Cr.Hrs	Pre-req.
ARB111	Communication Skills in Arabic Language (For Arabs)	3	0	0	3	-
PHA212	Physical Pharmacy II	2	2	0	3	PHA112
PHA213	Pharmaceutical Dosage Forms I	2	2	0	3	PHA112
PHA244	Pharmaceutical Analytical Chemistry II	2	2	0	3	PHA143
PHA251	Biochemistry I	2	2	0	3	PHA142
PHA235	Pharmacology and Therapeutics I	2	2	0	3	PHA136
	Total	10	10	0	18	

Spring Semester:

Course No.	Course Title	Th.	Lab.	Tut.	Cr.Hrs	Pre-req.
PHA214	Pharmaceutical Dosage Forms II	2	2	0	3	PHA213
PHA252	Biochemistry II	2	2	0	3	PHA251
PHA236	Pharmacology and Therapeutics II	2	2	0	3	PHA235
PHA253	Pharmaceutical Microbiology and Immunology	3	2	0	4	PHA251
PHA245	Instrumental Analysis I	2	2	0	3	PHA244
	Total	11	10	0	16	

Summer Semester:

Course No.	Course Title	Th.	Lab.	Tut.	Cr.Hrs	Pre-req.
STA112	Statistics (Health Sciences)	3	-	0	3	Xxxxx

ISL114	Islamic Culture (For Arabs)	3	0	0	3	Xxxxx
	Total	6	0	0	6	

Third Year:

Fall Semester:

Course No.	Course Title	Th.	Lab.	Tut.	Cr.Hrs	Pre-req.
PHA311	Biopharmaceutics & Pharmacokinetics I	2	2	0	3	PHA214+PHA245
PHA354	Medicinal and Pharmaceutical Chemistry I	2	2	0	3	PHA142+PHA253
PHA337	Pharmacology and Therapeutics III	2	2	0	3	PHA236
PHA346	Instrumental Analysis II	2	2	0	3	PHA245
DDS318	Pathology / Pharmacy	2	0	0	2	PHA253
Xxxxxx	University Elective Course II	3	0	0	3	Xxxxx
	Total	13	8	0	17	

Spring Semester:

Course No.	Course Title	Th.	Lab.	Tut.	Cr.Hrs.	Pre-req.
PHA312	Biopharmaceutics and Pharmacokinetics II	2	2	0	3	PHA311
PHA347	Phytochemistry	3	2	0	4	PHA125+PHA346
PHA356	Medicinal and Pharmaceutical Chemistry II	2	2	0	3	PHA354
PHA313	Pharmaceutical Technology	3	2	0	4	PHA212+PHA214
Xxxxxx	University Elective course III	3	0	0	3	Xxxxx
	Total	12	10	0	17	

Summer Semester:

Course No.	Course Title	Th.	Lab.	Tut.	Cr.Hrs	Pre-req.
PHA221	Community Pharmacy Training-I	0	0	0	3	PHA236
	Total	3	0	0	3	

Fourth Year:

Fall Semester:

Course No.	Course Title	Th.	Lab.	Tut.	Cr.Hrs	Pre-req.
PHA471	Hospital Pharmacy Training	0	0	0	3	PHA337
PHA414	Pharmaceutical Technology Training	0	0	0	3	PHA313

PHA461	OTC Drugs and Products	2	2	0	3	PHA337
PHA438	Toxicology & Chemotherapy	3	0	0	3	DDS318+PHA337
PHA462	Clinical Pharmacy I	2	2	0	3	PHA312+PHA337
Xxxxxx	College Elective course	2	2	0	3	after 115 Crd.Hrs
	Total	9	6	0	18	

Spring Semester:

Course No.	Course Title	Th.	Lab.	Tut.	Cr.Hrs	Pre-req.
PHA422	Community Pharmacy Training-II	0	0	0	3	PHA221+PHA462
PHA472	Clinical Pharmacy Training	0	0	0	3	PHA461+PHA462
PHA465	Pharmaceutical Legislations	1	0	0	1	PHA438
PHA464	Marketing & Sales	1	0	0	1	PHA462
PHA451	Project	2	2	0	3	after 115 Crd.Hrs
PHA439	Bioassays and Drug Screening	2	2	0	3	PHA337+STA112
PHA463	Clinical Pharmacy-II & First Aid	3	0	0	3	PHA462
	Total	9	4	0	17	

Course Descriptions

Department of Pharmaceutical Sciences

PHA111 Introduction to Pharmacy (2-2-3)

This course provides students with basic knowledge of pharmaceutical calculations needed for compounding and dispensing of medications. It includes an introduction to prescriptions, general dispensing procedures, dosage forms with special emphasis on pharmaceutical solutions and basic techniques of compounding simple solutions. The course also covers basic skills and abilities needed to identify various pharmaceutical incompatibilities and basic techniques needed for extraction of crude drugs.

Pre-requisite: None

PHA112 Physical Pharmacy I (2-2-3)

The course is designed to acquaint students with physical pharmacy principles in order to for them to have strong foundation in the physical sciences which apply to pharmaceutical dosage forms and formulations. This course will be complemented by and is a prerequisite to Physical Pharmacy II. The course covers states of matter, phase equilibria and phase rule, electrolyte and nonelectrolyte solutions and their colligative properties and solubility and distribution phenomena.

Pre-requisite: PHA111

PHA124 Pharmaceutical Botany (2-2-3)

This course deals of the study of the medicinal plants and their botanical structure including cell differentiation, cell contents and the general study of the plant organs macroscopically and microscopically.

Pre-requisite: None.

PHA125 General Pharmacognosy (3-2-4)

Pharmacognosy is the subject that deals with the general study of the important medicinal plants . The study includes their origin, morphology, histology, constituents and uses. The drugs are classified into groups according to their main therapeutic values.

Pre-requisite: PHA124

PHA141 Pharmaceutical Organic Chemistry I (2-2-3)

This course presents the fundamentals of certain topics in organic chemistry. It covers some important areas in organic chemistry, which include aliphatic and aromatic hydrocarbons, alkyl-

and aryl halides, alcohols, ethers and epoxides. It emphasizes the pharmaceutical importance of these functional groups.

Pre-requisites: None

PHA142 Pharmaceutical Organic Chemistry II (2-2-3)

This course is continuation to Pharm. Organic chemistry I. The course includes basic chemical reactions and mechanisms, Stereochemistry, phenols, aldehydes, ketones, and carboxylic acid and their derivatives, properties and reactions of dysfunctional compounds, amines, aromatic and heterocyclic compounds, and introduction to organic natural products. Laboratory work concerning specific chemical reactions, organic synthesis and identification of organic compounds.

Pre-requisite: PHA141

PHA143 Pharmaceutical Analytical Chemistry I (2-2-3)

This course covers the theoretical basis and introductory to quantitative analysis techniques including chemical equilibrium, dissociation of acids and bases, pH calculations, and buffer solutions. It also involves covering the fundamentals and applications of volumetric quantitative methods based on acid-base reactions in both aqueous and non-aqueous media.

Pre-requisite: PHA141

PHA212 Physical Pharmacy II (2-2-3)

This course aims to provide students with basic physicochemical principles needed to explain characteristics & behavior of pharmaceutical dispersions like colloids, suspensions, emulsions, ointments, creams & aerosols. It also covers rheological properties of both Newtonian & non-Newtonian systems.

Pre-requisite: PHA112

PHA213 Pharmaceutical Dosage Form I (2-2-3)

The course comprised of principles and techniques involved in the formulation, preparation and evaluation of solid dosage forms. It covers physical properties of powders, preparation of bulk and divided powders, as well as effervescent and non- effervescent granules. Capsules and tablets types, methods of production/filling and storage are described. The course also covers rectal drug absorption, formulation and evaluation of suppositories.

Pre-requisite: PHA112

PHA214 Pharmaceutical Dosage Form II (2-2-3)

This course covers basic principles of drug stability, routes of drug degradation and various means of avoiding them. It also covers sterile products including parenteral and ophthalmic preparations; their advantages & disadvantages, formulations, quality control tests and various sterilization procedures. In addition, aseptic techniques applied during the preparations of sterile products shall be covered. The course also includes an introduction to sustained released products, as well as packaging materials.

Pre-requisite: PHA213

PHA244 Pharmaceutical Analytical Chemistry II (2-2-3)

The first part of the course focuses on the basics of titrimetric methods based on precipitation and oxidation-reduction reactions. The applications of these methods for the analysis of pharmaceutical compounds in pure forms, dosage forms, and biological fluids will be covered. In the second part, the course covers the fundamentals and pharmaceutical applications of gravimetric methods of analysis, and the different classes of chemicals based on their purity.

Pre-requisite: PHA143

PHA245 Instrumental Analysis I (2-2-3)

The course provides an introduction to the instrumental methods of analysis including spectroscopic methods of analysis such as UV–VIS and flourimetry; in addition to a number of electrochemical methods of analysis.

Pre-requisite: PHA244

PHA311 Biopharmaceutics and Pharmacokinetics I (2-2-3)

This course focuses on biopharmaceutics aspects of how drugs get to the site of absorption, drug dissolution, membrane permeability, bioavailability and bioequivalence. More specifically, students are introduced to the importance of drug plasma levels, and the physiological and cell biology background related to gastrointestinal tract drug absorption. The routes of drug administration and formulation factors are covered as they influence its bioavailability. Emphasis are given to discuss bioavailability and bioequivalence along with the new drug development process.

Pre-requisite: PHA214, PHA245

PHA312 Biopharmaceutics and Pharmacokinetics II (2-2-3)

Pharmacokinetic concepts are introduced, including the concepts of pharmacokinetic models, linear and nonlinear pharmacokinetics, clearance and volume of distribution as they relate to drug concentration-time relationships for common routes of administration. Physiologic determinates

of variability including age, body composition, renal and hepatic disease are also covered in relation to clinical application of pharmacokinetics.

Pre-requisite: PHA311

PHA313 Pharmaceutical Technology (3-2-4)

This course covers theoretical background & practical demonstration of different manufacturing unit processes like; heat transfer, filtration, particle size reduction, particle size analysis, mechanisms of mixing, powder flow, granulation, and drying that are applied in pharmaceutical industries. The course also comprises the design & operation of clean rooms with special emphasis on quality assurance & good manufacturing practice guidelines.

Pre-requisite: PHA212, PHA214

PHA346 Instrumental Analysis II (2-2-3)

This course aims to introduce to the students a concept of applying the available instruments used for separation of mixtures as well as qualitative and quantitative analysis of medicinal and pharmaceutical raw materials and formulated medicines. The course covers different chromatographic methods and techniques (PC, TLC, GC, and HPLC). In addition, it involves certain spectroscopic methods such as infrared, nuclear magnetic resonance and mass spectroscopy.

Pre-requisite: PHA245

PHA347 Phytochemistry (3-2-4)

This course covers the study of the chemistry of crude drugs such as volatile oils, glycosides, alkaloids bitter principles, resins and saponins etc. The study covers the chemical and physical properties, identification tests, methods of isolation and methods of assays.

Pre-requisites:PHA125, PHA346

PHA354 Medicinal and Pharmaceutical Chemistry I (2-2-3)

This course covers the basic principle of medicinal chemistry. It deals with the relationship between chemical structure and biological activity. Topics covered include the effect of physicochemical properties on biological response, the effect of molecular modification on receptor binding and drug metabolism. The second part of the course is devoted to the study of chemotherapeutic agents.

Pre-requisites: PHA142, PHA253

PHA356 Medicinal and Pharmaceutical Chemistry II (2-2-3)

This course covers synthesis, pharmacological mechanism/ classification, structural features and structure activity relationship (SAR) studies and metabolism of major classes of medicinal agents. The detailed knowledge and understanding about targets by various medicinal compounds are discussed with emphasis given on the chemical basis of drug action. The new approaches to tackle the disease/ disorders are looked at briefly. Topics covered include adrenergic and cholinergic drugs, CNS depressants, analgesics, antihistamines, local anesthetics and cardiovascular drugs.

Pre-requisite: PHA354

PHA414 Pharmaceutical Technology Training (3-3)

This training program was designed to provide pharmacy students with the main principle of drug industry and to understand the main role of pharmacists in such filed. Students during the training program will be asked to attend and to take part in all sections of drug industry such as: production line, quality control, quality assurance, raw material handling, and marketing department.

Pre-requisite: PHA313

PHA441 Nuclear Pharmacy (College Elective Course) (3-3)

This course covers the fundamentals of nuclear pharmacy, radiopharmaceuticals compounding, stability prediction, packaging as well as uses and applications of radiopharmaceuticals as a diagnostic and therapeutic agents. The nuclear pharmacy practice guideline of APHA Academy of Pharmacy Practice and Management (APHA-APPM) will be discussed to cover the responsibility of pharmacist in maintaining quality of radiopharmaceuticals, safety of coworkers and environments and providing pharmaceutical care to patient with optimal outcome

Pre-requisite: PHA337

PHA448 Phytotherapy (College Elective Course) (3-3)

Study of medicinal plants and their active constituents . The study includes pharmacokinetic and pharmacodynamic effects of these constituents, as well as the appropriate dosage forms for administration of their preparations. Monographs *on Materia Medica* of selected medicinal plants are included in the study.

Pre-requisite: PHA347

PHA453 Pharmaceutical Biotechnology

This course introduces the student to the field of biotechnology with especial emphasis on its applications in the preparation of biopharmaceuticals. The course entails definitions, brief history and major areas of contribution of biotechnology. The course shall also cover recombinant DNA

technology including cloning of DNA, PCR and Gene libraries. In addition, different methods adopted for the preparation of biotechnology drug products and their evaluation, handling and storage shall be covered. Current marketed biotechnology drug products, as well as the future prospects of biotechnology shall be discussed.

Pre-requisite: PHA252

Department of Clinical Sciences

DDS318 Pathology (2-2)

This course will introduce the concepts of injury and the alterations in normal structure and function of the human body, as occurring in diseases. It is aimed to provide students a comprehensive knowledge of key concepts of general pathology which include cell injury, inflammation, wound healing, regeneration and repair, neoplasia, hemodynamic disorders, pathology of infectious diseases, metabolic and nutritional diseases. This course is useful in understanding the etiology, pathogenesis, morphological features and diagnosis of diseases that affect different organs of the body in order to establish a sound foundation for clinical practice in pharmacy.

Pre-requisite: PHA253

PHA135 Principles of Human Anatomy and Physiology I (3-2-4)

The course provides basic knowledge of normal human body structure and function necessary for students of College of Pharmacy to be capable of understanding other related pathological and clinical medical courses. It also assists students to properly understand the pharmacology of drugs and its application in clinical pharmacy.

Pre-requisite: None

PHA136 Principles of Human Anatomy and Physiology II (2-2-3)

The course provides basic knowledge of normal human body structure and function necessary for students of Faculty of Pharmacy & Medical Sciences to be capable of understanding other related pathological and clinical medical courses. It also assists students to properly understand the pharmacology of drugs and its application in clinical pharmacy.

Pre-requisite: PHA135

PHA221 Community Pharmacy Training I (3-3)

The objectives of this initial training is to develop students' communication skills, knowledge of community pharmacy practice and to become familiar with different trade of the over- the- counter

(OTC) and generic names of some drugs available in the market. In addition, students are expected to understand how to respond to commands in the different types of prescriptions.

Pre-requisites: PHA236

PHA235 Pharmacology and Therapeutics I (2-2-3)

This course deals with the general aspects of pharmacokinetics and pharmacodynamics, the pharmacological actions and the therapeutic uses of drugs acting on the autonomic nervous system, the respiratory system and dugs acting on local hormones (autacoids). Various groups of drugs are studied including their pharmacokinetics, mechanism of actions, adverse effects, indications and contraindications.

Pre-requisite: PHA136

PHA236 Pharmacology and Therapeutics II (2-2-3)

Deals with the pharmacological actions and the therapeutic uses of drugs acting on the cardiovascular system, the renal system, the gastrointestinal tract and the hematopoietic system. Various groups of drugs are studied including their pharmacokinetics, mechanism of actions, adverse effects, indications and contraindications.

Pre-requisite: PHA235

PHA251 Biochemistry I (2-2-3)

This course deals with the general aspects of Chemistry of carbohydrates, amino acids polypeptides and proteins, nucleic acids, lipids, vitamins and enzymes. This includes: the structure of these compounds, their classification and biomedical importance. The course relates structure of the compounds to their function.

Pre-requisite: PHA142

PHA252 Biochemistry II (2-2-3)

The course covers the following topics: bioenergetics, metabolism of carbohydrates lipids, proteins, energy releasing and energy consuming metabolic processes. The regulation of synthesis and breakdown of sugars, lipids, nucleic acids and amino acids. The biochemistry of specialized biological materials. Biosynthesis of the macromolecules proteins, DNA, and RNA.

Pre-requisite: PHA251

PHA253 Pharmaceutical Microbiology and Immunology (3-2-4)

This course takes in consideration the microbiology as an explosive subjects with many ramification .It is designed to introduce the students to the microbes world exemplified by Prokaryotes, Eukaryotes and the unique properties of the viruses. Trying to give a brief and up-

date presentation of those aspects of medical organisms that can inflict damages to human health. Antibiotics will be discussed at length. Immunology as rapidly developing field plays a pivoted role in health and disease so it deserve a fair share in this course.

Pre-requisite: PHA251

PHA337 Pharmacology and Therapeutics III (2-2-3)

Deals with the pharmacological actions and the therapeutic uses of drugs acting on the central nervous system and endocrine system. Various groups of drugs are studied including their pharmacokinetics, mechanism of actions, adverse effects, indications and contraindications.

Pre-requisite: PHA236

PHA422 Community Pharmacy Training II (3-3)

Through the utilization of selected community pharmacies and competency-based objectives, the student will gain an appreciation for the profession of pharmacy as practiced in the community and develop professional attitudes, judgment and skills needed to function in this setting.

Pre-requisite: PHA221+462

PHA438 Toxicology and Chemotherapy (2-2-3)

This course is designed to give the student basic information about the general principles of clinical and environmental toxicology and the clinical management of poisoned patients. The study of chemotherapeutic drugs aimed at allowing the student to gain a basic understanding of drugs used for the treatment of various types of infections, infestation and malignancy and then commencing the development of an understanding of the therapeutic applications of these drugs based on their underlying pharmacodynamic and pharmacokinetic properties.

Pre-requisite: PHA337, DDS318

PHA439 Bioassays and Drug Screening (2-2-3)

This course is designed to give the student basic knowledge of the methods used in the preclinical drug development. These include general methods used in the screening for a new drug and the determination of the potency using biological objects. The general methods used in the screening and bioassay of drugs on different systems of the body are covered.

Pre-requisites: STA112, PHA337

PHA451 Project (2-2-3)

By the time students reach this level (115Crd.Hrs) they will have studied a range of pharmaceutical topics, and have gained some experience of the techniques used in research, through lecture and

workshop. Students will initially undertake a period of open-learning time covering research methodology and then spend a period of time on a course of specialist study. The faculty project committee has recently decided that this project should be run across both semesters in the final year. This will enable students to investigate an area of clinical pharmacy in significant detail, under supervision.

Pre-requisite: 115 Credit Hours

PHA454 Clinical Microbiology (College Elective Course)(2-2-3)

This course explores various diseases and their causative agent and relate such information with the diagnostic procedures aiming to identify those agents and determine the most suitable treatment. The course is primarily intended to provide a firm grounding in the understanding of infection and its control.

Pre-requisite: PHA253

PHA455 Gene Therapy (College Elective Course) (3-3)

Discussion of the diagnosis of genetic disorders and how the causal genes be identified and isolated. The course teaches the basic science of gene therapy, gene delivery vectors, expression of transferred genes, and current gene therapy protocols in humans. The course allows the students to assess the current status and promise of gene therapy and recognize the advantages, disadvantages, and limitations of gene therapy.

Pre-requisites: PHA252, PHA253

PHA461 OTC Drug and Products (2-2-3)

This OTC course is designed to establish a strong knowledge of OTC drugs in all of its aspects and making pharmacist's job to be patient oriented and not product oriented. This will include monitoring, screening and evaluating drug treatment regimens either in community or hospital settings. In particular, symptoms associated with: gastro-intestinal tract, respiratory, skin, central nerves system, pediatrics, women's health, men's health, eyes and ears, holiday healthcare will be considered with respect to: possible causes; symptoms and signs; treatment available; counseling points; and when to refer to doctors.

Pre-requisites: PHA337

PHA462 Clinical Pharmacy I (2-2-3)

Clinical Pharmacy I (PHA462) course offered for B.Pharm degree, pharmacy students build on the prior knowledge gained in pharmacology, biopharmaceutics and kinetics. The overall aim of the module is to develop skills students require to understand new aspects of pharmacy practice and the concept of pharmaceutical care. Patient assessment and documentation available to

conduct and analyze patient assessment are covered. The role of laboratory values in patient assessment will be introduced. Pathophysiology and management of major organ disease, namely, the respiratory system and infectious diseases are detailed.

Pre-requisites: PHA312, PHA337

PHA463 Clinical Pharmacy II and First Aid (2-2-3)

Clinical Pharmacy II (PHA463) course offered for B.Pharm degree, pharmacy students build on the prior knowledge gained in clinical Pharmacy I (PHA462). The overall aim of the module is to help students to access the knowledge base and skills required for assessment of the pharmaceutical needs of patients in either primary or secondary health care settings. Understanding of how major diseases present and are managed including the options available for drug therapy and the importance of establishing therapeutic goals for the patient will be emphasized throughout the course time schedule. Upon completion of the course, students should be able to demonstrate sound knowledge and understanding of the pathophysiology of the major diseases and the mechanisms action and rational clinical use and major side-effects and contraindications of the drugs that are currently used to treat or manage different diseases.

Pre-requisite: PHA462

PHA464 Marketing and Sales (1-1)

The course will concepts of personal, human resource and business management in general and in pharmacy practice. It also covers the principles of marketing theories and applications.

Pre-requisite: PHA462

PHA465 Pharmaceutical Legislations (1-1)

The course will cover ethical principles and codes that govern the practice of pharmacy and medicine in patient care; the different ethical issues pharmacists encounter in daily pharmacy practice; competency of pharmacists and standards of practice expected to be met by regulatory and licensing bodies locally and internationally; the laws and regulations governing pharmacy practice and drug control in the UAE.

Pre-requisite: PHA438

PHA471 Hospital Pharmacy Training (3-3)

This training course will familiarize the student to hospital pharmacy practice in the inpatient and outpatient settings. The training is designed to provide students with the preparation needed to understand the practice environments they will enter and to expose them to areas of pharmacy practice they may have not previously considered within the hospital environment. The student

will learn different concepts in the hospital pharmacy, the philosophy of pharmacy consultant services and how to implement pharmaceutical care services. Moreover, the student will develop professional attitudes, judgment and skills needed to function in this setting. He will learn methods used to monitor drug therapy in the patient, treatment of common disease states seen, and how to effectively communicate with patients and health professionals regarding drug utilization. Where available, the student will be involved in the different operations carried out in the inpatient setting.

Pre-requisite: PHA337

PHA472 Clinical Pharmacy Training (3-3)

This training course (clerkship) will introduce the student to clinical pharmacy practice in the inpatient setting through clinically oriented patient-specific and non patient-specific activities. The student will learn clinical pharmacy concepts, the philosophy of pharmacy consultant services and how to implement pharmaceutical care. In addition, the student will be exposed to methods used to monitor drug therapy in the patient, clinical manifestations, treatment and monitoring parameters of common disease states seen, and how to effectively communicate with patients and health professionals regarding drug utilization.

Pre-requisites: PHA461, PHA462

College of Medicine

Introduction

Consonant with Ajman University's vision of enhancing its standing as one of the leading comprehensive institutions of higher education in the Gulf region and an active contributor to the advancement and development of UAE society, the University decided to establish a College of Medicine offering the Bachelor of Medicine and Bachelor of Surgery (MBBS) program in 2018. The new MBBS program adds to the lineup of distinguished programs already on offer at Ajman University and push the envelope in scholarship and community service.

Vision

The Ajman University College of Medicine (AUCoM) is committed to carving out a place for itself as a national and international leader in Medicine, Medical Education, research and service delivery within the context of meeting the aspirations of the UAE for excellence and leadership in regional and global standards.

Mission

To train healthcare professionals who strive for professional excellence while contributing to the social, economic, and cultural development of the UAE and inculcating in graduates an attitude of lifelong learning, ethical conduct, and excellence in service and research.

Goals

To fulfill the mission and vision of the AUCoM, the following goals are set forth:

- To establish a premier CoM that will prepare outstanding socially responsible physicians for an illustrious career in clinical practice, teaching and research.
- To develop an academic atmosphere conducive to the development of a high degree of scientific knowledge and clinical skill.
- To develop a state-of-the-art health care delivery system that will serve as a model for the nation that will provide extended health care for the region in an innovative program that will be emulated elsewhere.

Program Offered

The College offers a highly innovative 6-year full time program consisting of one year of Foundation and 5 years of medical studies leading to the award of the degree of Bachelor of Medicine and Bachelor of Surgery (MBBS)

Admission Requirements to the Foundation Year:

Admission is open to students from all types of curriculum (UAE National Curriculum, American, British, CBSE (Indian), French, etc.)

The criteria for admission are summarized below:

A. **Complete at least 12 years of schooling**

B. **Requirements according to high school curricula:**

1. **UAE National Curriculum (Science Stream)**
    - Minimum high school grade **90%**

2. **American Curriculum**
    a. Minimum high school grade **90%**
    b. SAT I Test – minimum **1000/1600**
    c. SAT II Test – any **2** subjects (Biology, Chemistry, Physics, and Math II) with minimum **550/800** per subject
3. **British Curriculum**
    a. 12th grade report card from school
    b. 'O' level with minimum 4 **B**s in Biology, Chemistry, Physics and Math
    Plus AS level with an **A** and a **B** in any 2 of the 4 subjects (Biology, Chemistry, Physics and Math)

    OR **'**O' level with minimum 4 **B**s in Biology, Chemistry, Physics and Math

    Plus A2 level with minimum of 2 **B**s in any 2 of the 4 subjects (Biology, Chemistry, Physics and Math)

4. **International Baccalaureate (IB)**
    a. 12th grade report card from school
    b. IB High Level (HL) in 3 of the 4 subjects (Biology, Chemistry, Physics and Math) with scores of **5, 4, 4**
    Plus IB Diploma Total of at least **26**

5. **Other Curricula**
    a. India/Pakistan Boards (e.g. **CBSE**), **at least 75%**
    b. Students from other international systems can submit documents that prove that they have finished 12 years of schooling in their home countries and have their high school documents equalization completed in the UAE Ministry of Education.

C. **English Language Proficiency for ALL Curricula**

Need to fulfil any **ONE** of the following requirements (or equivalent):

- **EmSAT English – Achieve – 1400+**
- **TOEFL IBT – 60**
- **OOPT – B1**
- **IELTS – 5.5**

D. **Personal Interview**

Candidates who fulfilled the requirements A – C may be shortlisted for a personal interview. A 'Pass' in the interview will be required for final admission.

For further information please refer to the University admissions policy.

Facilities

Academic Staff

To attain our projected high standards, the AU CoM is in the process of recruiting highly experienced and motivated faculty for an academically challenging but highly rewarding experience for the students. Our experienced faculty will be expected to not only deliver in their area of specialization, but nurture and inspire the students as well.

Laboratories

The College has a Multipurpose Laboratory for training in human physiological recordings, gross and microscopic Pathology and Microbiology. Our Anatomy dry and dissection laboratories, equiped with a virtual reality (VR)/AR setup will be used to teach human structure. We also have a state-of-the-art clinical skills laboratory to ensure that students acquire the necessary techniques (including communication skills, history taking, physical examination and basic investigative skills), before practicing on real patients.

Clinical Training Sites

Ajman University College of Medicine has key training arrangements with Sheikh Khalifa Medical City Ajman (a large UAE Ministry of Presidential Affairs Hospital under the management of the Swedish Healthcare Management firm Global Health Partners). Our second clinical training site is the very modern Amina Hospital, a private hospital in the heart of downtown Ajman.

MBBS PROGRAM LEARNING OUTCOMES

Knowledge

On successful completion of the MBBS program, graduates will be able to:

2. Recognize the normal structure and function of the human body (as an intact organism) and of each of its major organ systems, taking cognizance of the molecular, biochemical, and cellular mechanisms that are important in maintaining the body's homeostasis.
3. Recognize and relate the various causes (genetic, developmental, metabolic, toxic, microbiologic, autoimmune, neoplastic, degenerative, and traumatic) of illness/disease and the ways in which they interfere with normal function of the body (pathogenesis).
4. Recognize the altered structure and function (pathology and pathophysiology) of the body and its major organ systems that are seen in various diseases and conditions.
5. Recognize the important non-biological determinants of health and of the economic, psychological, social, and cultural factors that contribute to the development and/or continuation of disease.
6. Identify the most frequent clinical, laboratory, radiological, and pathologic manifestations of common diseases.
7. Recognize the power of "the scientific method" in establishing the causation of disease and efficacy of traditional and non-traditional therapies.
8. Describe the principles of disease prevention and epidemiology of common diseases appropriate for specific populations.

9. Demonstrate knowledge of the laws and systems of professional regulation through the UAE Ministry of Health, relevant to medical practice and abide by the UAE's Code of Ethics and Professional Conduct.
10. Understand the framework in which medicine is practiced in the UAE, and the roles of, and relationships between the MOH, Health Authorities and the private health sector in protecting and promoting individual and population health.

Skill

1. The ability to obtain an accurate holistic medical history that covers all essential aspects of a patient and his/her problem, including issues related to age, gender and socio-economic status.
2. Apply a medical problem-solving process in order to arrive at a clinical diagnosis.
3. Perform both a complete and a focused organ system specific examination, including a mental status examination.
4. Perform routine technical procedures at a level suitable to a fresh medical graduate.
5. Construct appropriate management strategies (both diagnostic and therapeutic) for patients with common conditions related to different age groups and genders, both acute and chronic, including medical, psychiatric, and surgical conditions, and those requiring short- and long-term rehabilitation.
6. Formulate a treatment plan, demonstrating the ability to take action by balancing the relative risks and benefits of outcomes and treatment options.
7. Recognize patients with immediately life threatening cardiac, pulmonary, or neurological conditions regardless of etiology, and to institute appropriate initial therapy applying Basic Life Support and Advanced Life Support principles.
8. Interpret laboratory tests (recognizing their limitations), and integrate clinical and laboratory findings in the diagnosis and management of a patient's problem.
9. Document and share patient-specific information, demonstrating the ability to record in the hospital management systems, specific findings about a patient and orders directing the further care of the patient.
10. Define and describe the characteristics of a population, to include its demography, cultural and socioeconomic constitution, circumstances of living, and health status, and to relate these factors to the health and health care of patients and their families.
11. Recognize own personal and professional limits and seek help from colleagues and supervisors when necessary.

Competence

Autonomy and Responsibility

2. Acquire, assess, apply and integrate new knowledge, learn to adapt to changing circumstances and ensure that patients receive the highest level of professional care.

3. Show responsibility and independent technical and clinical decision-making to evaluate and manage complex and unpredictable clinical work appropriate to a primary care practice.
4. Illustrate adherence to current best practice methods in a mature manner.

Role in Context

1. Function effectively as a mentor and teacher including contributing to the appraisal, assessment and review of colleagues, giving effective feedback, and taking advantage of opportunities to develop these skills.
2. Understand and respect the roles and expertise of health and social care professionals in the context of working and learning as an interdisciplinary team.
3. Demonstrate ability to build team capacity and positive working relationships and undertake various team roles including leadership and the ability to accept leadership by others.
4. Demonstrate awareness of the role of doctors as managers, including seeking ways to continually improve the use and prioritization of resources.

Self-development

1. Establish the foundations for lifelong learning and continuing professional development appropriate to a fresh medical graduate.
2. Continually and systematically reflect on practice to evaluate and improve care of patients with aim of safeguarding a high quality of clinical care.
3. Recognize own personal health needs, consult and follow the advice of a suitably qualified professional, and protect patients from any risk posed by own health.
4. Value professional ethics, positive criticism and feedback, and engage in a life-long learning.
5. Be polite, considerate, trustworthy and honest, act with integrity, maintain confidentiality, respect patients' dignity and privacy, and understand the importance of appropriate consent and respect all patients, colleagues and others regardless of their age, colour, religion, culture, disability, ethnic or national origin, gender, or social or economic status.

Career Opportunities

A career in Medicine can be quite rewarding indeed. Upon graduation and completion of the pre-registration internship (known as housemanship in certain jurisdictions), career options in the many specialties of Medicine abound.

Graduation Requirements

Students will be awarded the MBBS degree upon fulfilment of the following requirements:

Completing successfully the required credit hours (224 Credit Hours), including the University requirement courses, with an cumulative grade point average (CGPA) not less than 2.5 (out of 4) and obtaining a minimum grade of C in every course.

The courses to be completed, including University general education courses are as follows:

CURRICULUM DESCRIPTION

The curriculum consists of full-time one year of Foundation and five years of medical studies.

The Foundation Year

It was decided to start with a foundation year as we expect most of our potential students to come from diverse backgrounds with varying levels of high school attainment, depending on the type of curriculum they studied (e.g. UAE National, American, British, Indian, French, etc curricula are on offer in the UAE). The Foundation Year is necessary to raise levels of science knowledge before commencing the five-year medical program. The courses to be taken include Human Biology (Anatomy & Physiology), Introduction to Biochemistry, Medical Physics and Medical Terminology. In addition, the students will complete four of the five University required general education courses during the foundation year. This helps to ensure that they can comfortably complete all University general education compulsory and elective courses before the clinical years, when it is logistically very difficult.

The Five-Year Medical Program

The program is designed as an integrated, systems based, spiral curriculum, which is divided into three phases. There is both horizontal and vertical integration such that as the student progresses through the phases, they revisit the same organ systems at higher levels of complexity and clinical content until graduation.

A unique feature of the AUCoM curriculum is the application of “Parallel Courses”**.** These are semester long courses running alongside (parallel to) the integrated blocks. In many instances, the parallel courses align their content to the blocks but they do not have to. For example, the content of the Molecular Medicine parallel course in Semester I (MOL 114) will be aligned with the GIT 113 block such that GI Biochemistry (digestion/absorption), will be taught at the appropriate time.

Parallel courses address one of the main criticisms in integrated PBL-type curricula; the niggling feeling that the students are not learning core concepts in sufficient depth. In this regards certain subject areas tend to lose out more than others. These include Molecular Medicine and Genetics (so important in the medicine of the future), Behavioral Science, Biostatistics, Evidence Based Medicine, etc. Quite often it is difficult to come up with PBL cases that would generate fundamental concepts in these areas as “learning needs”.

A secondary advantage of the parallel courses option is that the program has greater flexibility in formally introducing new or topical subjects into the curriculum, e.g. simple one credit hour courses in Complementary and Alternative Medicine (CAM), Forensic Medicine, Medical Informatics, etc, has potential to greatly enrich the curriculum. Such flexibility is lacking or limited in the common integrated curricula on offer at most medical schools in the region. Experience at a young medical school (<10 years), applying a similar mix of integrated and parallel courses has produced

graduates who are exceptionally competitive in external benchmarking and licentiate assessments.

Phase I (4 Semesters)

- Semesters I and II: In these two semesters, the core curriculum is presented as integrated organ systems concentrating essentially on structure and function only. In addition to the lectures and labs being copiously illustrated with clinical examples, there are TBL (Team-Based Learning) sessions at the end of each week where cases for problem solving are used to consolidate learning.
- Semesters III and IV: A ten-week block called pathogenesis of disease (POD), is introduced in Semester III. During the POD block, the students are introduced to fundamentals of Pathology, Pharmacology, Microbiology and Immunology. The cases and TBLs in this block are richer in clinical content. Semester IV is the transition between Phase I and Phase II. In the core blocks during this semester (Head and Neck and Skin, Neuroscience and Special Senses), structure function is fully integrated with the clinical sciences. The learning in each week is anchored by a clinical case which drives the theme for the lectures, labs and clinical skills sessions.

Phase II (2 Semesters)

- Semesters V and VI: During these two semesters in Phase II, the organ systems are revisited but the blocks are disease-based with limited structure function overviews only. Each week's learning is themed according to the clinical case of the week.
- The principal rationale for this phase is to get the students to study most of the key pathological conditions in each organ system. This addresses an important challenge in medical education in the UAE and the region at large. Medical schools generally lack leverage when it comes to recruitment of hospital consultants involved in clinical training of medical students during the clerkship years. This is especially problematic when existing government or other hospital facilities are used for training. Although this has improved somewhat, the training of adjunct clinical faculty involved in teaching medical students remains a challenge. An additional challenge is the difficulties encountered by medical students in accessing patients to complete their prescribed number of patients they must interview (clerk) and examine. The Phase II program helps the student to be much better prepared for the clinical clerkship phase, minimizing the need for a lot of handholding by the clinical adjunct faculty.

Phase III (Four 20-week Semesters)

- Consists of four semesters (7-10) of clinical rotations in designated hospitals, including Medicine, Surgery, Paediatrics and Obstetrics and Gynaecology; and their sub-specialties. Each rotation is 10 weeks in the major specialties and two to three weeks in each sub-specialties.

Sequence of Courses

AJMAN UNIVERSITY COLLEGE OF MEDICINE								
MBBS PROGRAM								
Phase		**S#**	**Course Code**	**Year**	**Sem**	**Course Title**	**Credit Hrs**	
								***
Foundation Year	**Foundation Semester 1**	1	BIC011	F	1	Biochemistry I	3	(3+0+0)
		2	BIL011	F	1	Biochemistry I lab	0*	(0+0+1)
		3	HBG012	F	1	Human Biology I	3	(3+0+0)
		4	HBL012	F	1	Human Biology I Lab	0*	(0+0+1)
		5	MPY013	F	1	Medical Physics	3	(3+0+0)
		6	MPL013	F	1	Medical Physics Lab	1	(0+0+2)
		7	1021401	F	1	Arabic Language (University requirement)	3	(3+0+0)
		8	1021101	F	1	Islamic culture (University requirement)	3	(2+2+0)
			Total Credit Hours for Semester-1				**16**	
								***
	Foundation Semester 2	1	BIC021	F	2	Biochemistry II	3	(3+0+0)
		2	BIL021	F	2	Biochemistry II lab	1	(0+0+1)
		3	HBG022	F	2	Human Biology II	3	(3+0+0)
		4	HBL022	F	2	Human Biology II Lab	1	(0+0+1)
		5	MTL023	F	2	Medical Terminology	3	(3+0+0)
		6	1041200	F	2	IT fundamentals (University requirement)	3	(3+0+0)
		7	1031332	F	2	Statistics (University requirement)	3	(3+0+0)
			Total Credit Hours for Semester-1				**17**	

								***
Phase I - Man and His Environment	Semester 1	1	GCT111	1	1	General Concepts Block (General anatomy, histology, embryology and cell physiology; 4 weeks)	2	(1+0+2)
		2	MSK112	1	1	Musculoskeletal Block (8 weeks)	5	(3+2+2)
		3	GIT113	1	1	Gastrointestinal Block (4 weeks)	4	(2+2+2)
		4	MOL114	1	1	Molecular Medicine I (Biochemistry & Cell Biology) (parallel course)	2	(1+2+0)
		5	PRO115	1	1	Communications Skills (parallel course)	1	(0+2+0)
		6	COM116	1	1	Primary Health Care & Rural Health (parallel course)	1	(0+2+0)
		7	107110	1	1	Critical thinking (University requirement)	3	(3+0+0)
		7	115160	1	1	Emirates Society (University requirement)	(OR) 3	(3+0+0)
			Total Credit Hours for Semester-1				**18**	
	Semester 2	1	CVB121	1	2	Cardiovascular + Blood Block (8 weeks)	5	(3+2+2)
		2	RSP122	1	2	Respiratory Block (3 weeks)	2	(1+0+2)
		3	REN123	1	2	Renal Block (5 weeks)	4	(2+2+2)
		4	GEN124	1	2	Genetics	2	(2+0+0)
		5	MOL125	1	2	Molecular Medicine II (Biochemistry & Cell Biology)	2	(2+0+0)
		6	112140	1	2	Introduction to Art	3	(3+0+0)
		6	107130	1	2	Introduction to digital photography	(OR) 3	(3+0+0)
							18	
	Semester 3	1	ENR231	2	3	Endocrine and Reproductive System Block (6 Weeks)	4	(2+2+2)
		3	POD232	2	3	Pathogenesis of Diseases (Basic Principles of Pharma, Micro, Patho & Immuno; 10 Weeks)	6	(4+2+2)
		4	PRO233	2	3	Introduction to Medical Skills	1	(0+2+0)

		5	BSE234	2	3	Basics of Biostatics & Epidemiology	3	(2+0+2)
		6	1151100	2	2	History of Science in Islam	3	(3+0+0)
		6	1151200	2	2	Scientific Pioneering	OR 3	(3+0+0)
		7	1141300	2	3	Innovation and Entrepreneurship	3	(3+0+0)
			Total Credit Hours for Semester 3				**20**	
	Semester 4	1	HNS241	2	4	Head & Neck and Integumentary System (5 weeks)	4	(2+2+2)
		2	NEU242	2	4	Neuroscience and Special Senses (8 weeks)	5	(3+2+2)
		3	SPS243	2	4	Special Senses (3 weeks)	3	(1+2+2)
		4	BHS244	2	4	Behavioral Science	2	(2+0+0)
		5	PRO245	2	4	Professional Skills IV (Integrated with Clinical Sessions)	2	(0+2+2)
		6	COM246	2	4	Evidence Based Medicine & Research	1	(0+2+0)
Total Credit Hours for Semester 4							**17**	

Phase II - The Organ System	**Semester 5**	1	MSK351	3	5	Musculoskeletal block (4 weeks)	3	(2+2+0)
		2	GIT352	3	5	Gastrointestinal Block (4 weeks)	3	(2+2+0)
		3	END353	3	5	Endocrine Block (4 Weeks)	3	(2+2+0)
		4	REP354	3	5	Reproductive & Beast Block (4 weeks)	3	(2+2+0)
		5	PRO355	3	5	Professional Skills V (Integrated with Clinical Sessions)	2	(0+4+0)
		6	ELC356	3	5	End of Life Care & Geriatrics	1	(0+2+0)
		7	MIF357	3	5	Medical Informatics	2	(1+2+0)
		8	COM358	2	5	Occupational & Environmental Medicine	1	(0+2+0)
			Total Credit Hours for Semester-5				**18**	
	Semester 6	1	CVS361	3	6	Cardiovascular Block (4 weeks)	4	(3+2+0)
		2	RES362	3	6	Respiratory Block (4 weeks)	3	(2+2+0)
		3	REN363	3	6	Renal Block (4 weeks)	3	(2+2+0)

		4	HEM364	3	6	Hematology/Oncology Block (4 weeks)	2	(1+2+0)
		5	PRO365	3	6	Professional Skills VI (Integrated with Clinical Sessions)	2	(0+4+0)
		6	COM366	3	6	Family Medicine	1	(0+2+0)
		7	NTN367	3	6	Nutrition	1	(0+2+0)
			Total Credit Hours for Semester-6				**16**	
Phase III - The Clerkship	**Semester 7 & 8**	1	MED471	4	7	Medicine (10 weeks)	10	(2+16+0)
		2	PED472	4	7	Paediatrics (10 weeks)	10	(2+16+0)
		3	HMQ473	4	7	Health Economics & Management	2	(2+0+0)
		4	SUR481	4	8	Surgery (10 weeks)	10	(2+16+0)
		5	GYN482	4	8	Obstetrics & Gynaecology (10 weeks)	10	(2+16+0)
			Total Credit Hours for Year-4 (Semesters 7 & 8)				**42**	
	Semester 9 & 10	1	IMD591	5	9	Sub-Specialty Medicine (10w: Cardio 4w, Hem/Onc 4w)	10	(2+16+0)
		2	INS592	5	9	Integrated Neuroscience (10w: Neuro 4w, Psy 4w)	10	(2+16+0)
		3	SSP5X1	5	10	Surgical Sub-Specialty (10w: ER & Anesthesia 4w, Orth 4w)	10	(2+16+0)
		4	AMB5X2	5	10	Ambulatory Care (10 weeks: ENT+Opth 4w, FM+Derma 4w)	10	(2+16+0)
		5	CEL483	4	8	Electives (6 weeks Summer of Yr 4)	2	(0+4+0)
			Total Credit Hours for Year-5 (Semesters 9 & 10)				**42**	
			Aggregate Credit Hours for UG Course					224

*** (1+2+0) 1 is Didactic session, 2 is Tutorial, Practicals, Clinical or Field training session and 0 is Laboratory

University compulsory and elective general education courses are shown in red

Semester long “parallel courses” are shown in brown

General Education (embedded in the sequence of courses in phases I and II shown above)

Offered General Education Courses:

Every AU student is required to complete 30 credit hours of General Education covering the following areas: Mathematics, Science, Information Technology, Languages, and Social Sciences & Humanities. After a review of all offered programs at AU, the Council of Academic Affairs identified 24 out of the 30 credit hours of General Education that could be taken by all AU students independently of their specialization. Of these hours covered by the General education Program, 15 credit hours are compulsory to all students and 9 credit hours are electives.

Obligatory (15 Credit Hours):

Sr	Compulsory	Course Code	Course Name	Credit Hours
1	Orientation	1010000	Orientation	0
2	Arabic (3 credit hours)	1021400	Communication Skills in Arabic (Arabic Medium Schools)	3
		1021401	Arabic for Non-Arabs	3
		1021402	Communication Skills in Arabic-E- (English Medium Schools)	3
3	Islamic (3 credit hours)	1021100	Islamic Culture (Arabic)	3
		1021101	Islamic Culture (English)	3
		1021300	Islamic Civilization (Arabic)	3
		1021301	Islamic Civilization (English)	3
4	Innovation and Entrepreneurship (3 credit hours)	1141300	Innovation and Entrepreneurship	3
5	Information Technology (3 credit hours)	1041200	IT Fundamentals	3
		1041201	IT in Health Sciences	3
		1041202	IT in Business	3
		1041203	IT Fundamentals (Arabic)	3
6		1031331	Statistics for Sciences	3

	Quantitative and Critical Reasoning (3 credit hours)	1031332	Statistics for Health Sciences	3
		1031333	Statistics for Business	3
		1071400	Critical and Analytic Thinking	3
		1031330	Applied Quantitative Analysis for Social Sciences (Arabic)	3

Elective courses (9 credit hours):

Elective general education courses to be chosen from a large number of courses covering the different areas of General Education. University elective general education courses are categorized into three groups:

1. Humanities and arts.
2. Natural and applied sciences.
3. Social or behavioral sciences.

Students are required to choose one elective from the social or behavioral sciences group, another elective from the humanities or arts group and the third from the natural and applied science.

Electives (9 Credit Hours)

Course Code	Course Name	Credit Hours
1. Humanities / Arts		
1021501	Introduction to Hadeeth and Sunna	3
1071200	Academic Writing (English)	3
1071300	Introduction to Digital Photography	3
1091200	French Language	3
1121100	Principles of Architecture	3
1121200	Principles of Interior design	3
1121400	Introduction to Art	3
1151500	The Art of Written Expression (Arabic)	3
1191500	The Art of Public Speaking (English)	3
1201150	Legal Culture	3
2. Natural and Applied Sciences		
1031200	Environmental Science	3
1031300	Research Methodology	3
1081200	General Physics	3
1121300	Modern Technology and Society	3
1131100	Internet Concepts	3
1131200	Introduction to information System	3

1151100	History of Science in Islam	3
1151200	Scientific Pioneering	3
1151400	Principles of Mathematics	3
1151700	Educational Technology	3
1161200	Astronomy	3
1171100	General Chemistry	3
1171200	Fundamental of Human Nutrition (English)	3
1171201	Fundamental of Human Nutrition (Arabic)	3
1171300	First Aid (English)	3
1171301	First Aid (Arabic)	3
1171500	Application of Remote Sensing and GIS	3
1181200	General Biology	3
1181300	Oral Health	3
3. Social or Behavioral Sciences		
1071100	Critical Thinking	3
1071500	Family System	3
1131400	Library Information System	3
1141100	Economic Concepts	3
1141200	Entrepreneurship development	3
1151600	Emirates Society (English)	3
1151601	Emirates Society (Arabic)	3
1191100	English Communication Skills	3
1191200	Introduction to communication Sociology	3
1191300	Information Society	3
1191400	Media Culture	3
1191600	Communication Between Cultures	3
1151300	General Psychology (English)	3
1151301	General Psychology (Arabic)	3

Course Descriptions for Undergraduate Foundation and Phases I and II

BIC011 Biochemistry I

This course introduces the students to chemical methods and measurement; structure of the atom; structure and properties of ionic and covalent compounds; calculations of chemical equation; states of matter: gases, liquids, and solids; solutions; osmotic pressure and electrolytes; energy, rate, and equilibrium; acids and bases and oxidation-reduction reactions; the nucleus, radioactivity, and nuclear medicine and introduction to saturated and unsaturated hydrocarbons.

BIL011 Biochemistry I lab

This course includes safety procedures in the laboratory, perform qualitative and quantitative acid base titrations, perform crystallization, determination of melting points and freezing points, use data to calculate amounts of reactants and products, perform extractions using vacuum, perform chromatography experiments, classify tests functional groups such as ketones and aldehydes, alcohols and phenols, amines and amides, carry out a variety of synthetic organic compounds such as, esters, amides, aspirin and benzoic Acid.

HBG012 Human Biology I

This course covers an overview of anatomy and physiology of the human body, introduces the students to cells and tissues, general embryology including fertilization and embryogenesis, skin and body membranes, integumentary system, developmental aspects of skin, the muscular system, microscopic anatomy, skeletal muscle activity, muscle movements, types and names and the special senses including the eye and the ear.

HBL012 Human Biology I Lab

This course covers the following 7 labs: covering parts of the microscope and its use, the structure of epithelial tissue, connective tissue proper, skeletal connective tissue cartilage, skeletal connective tissue bone, the muscular tissue and the integumentary tissue.

MPY013 Medical Physics

This course covers atomic spectra, nuclear physics, x-ray applications in biology and medicine, fluids, electricity and magnetism, geometrical optics and waves and sounds.

MPL013 Medical Physics Lab

This course includes experiments covering the following topics : General instructions, analysis and graphing data, measuring devices, density, forces at equilibrium, motion along a straight line(A), motion along a straight line(B), force of buoyancy, heat equivalent of electrical energy, linear thermal expansion, simple DC circuits, electrical instruments and DC measurements, magnetic field of current carrying conductors, reflection refraction and total internal reflection, radiation detection.

BIC021 Biochemistry II

This course includes the structure and molecular properties of biomolecules, the structure and functions of carbohydrates, proteins and metabolic defects in amino acids metabolism leading to metabolic diseases; the structure and functions of haemoglobin and myoglobin and abnormal haemoglobin including sickle cell anaemia and thalassaemia; the classification of enzymes, enzyme kinetics, inhibition and allosteric enzymes; the bioenergetics including glycolysis, TCA

and electron transport chain; the biological important sugars; gluconeogenesis, glycogen metabolism and glycogen storage diseases; galactose metabolism and galactosaemia.

BIL021 Biochemistry II Lab

This course includes practical sessions in biochemistry including enzyme kinetics, the determinations between Km and Vmax, the effect pH and enzyme inhibitions on Km and Vmax, and reducing sugars, properties of proteins, electrophoresis of haemoglobin, sickle cell anaemia and thalassaemia, the difference between glycogen and starch.

HBG022 Human Biology II

The course focuses on the physiology and structure of the human body systems including the cardiovascular system, renal, respiratory, digestive and endocrine systems. This course introduces the students to the basic structures and physiological functions of the above systems and the composition and functions of the immune and blood systems and relate it to the homeostatic imbalance in these systems.

HBL023 Human Biology II Lab

This course covers the following three topics: osmosis and tonicity, blood, plasma, WBC, RBC and Platelets, human cardiovascular system covers permeability properties of membranes and the effect of various solutions on RBC. Platelets experiments include total white blood cell count, hemocytometer, differential white blood cell count, peripheral blood film. The RBC includes: Haematocrit/packed cell volume (PCV), haemoglobin concentration, erythrocyte sedimentation rate (ESR), blood typing (ABO Rh). Platelets and include: bleeding time & coagulation time. Part three including heart sounds, pulse determinations, blood pressure and electrocardiogram ECG.

MTL023 Medical Terminology

This course helps the students to communicate with the language used in medicine and familiarizing them with the medical terminology in their respective fields. Special attention will be given to teaching students the principles of the construction of medical terms. The course also aims to develop students' general academic skills and independent learning skills. Academic vocabulary and relevant grammatical structures will be highlighted and practiced. Oral communication skills will be developed through encouraging students to make short oral presentations. It is also expected to apply this knowledge to understanding texts in their fields of study. Students will become familiar with case studies, and be introduced to the conventions of medical records, writing, team work, etc. The course will link the basic concepts with some clinical applications related to the fields of study in the clinical years.

GCT111 General Concepts (General anatomy, histology, embryology and cell physiology)

This introductory general concepts course introduces the first year medical student to key concepts in general anatomy, histology, embryology and general/cell physiology. This is a lecture and laboratory course that introduces the students to the structural and functional organization of the human body and how cells, organs, and systems function together to maintain homeostasis. Common histologic methods, principles of tissue staining, cell structure and organization, the electrical properties of cell membranes and transport of substances across the cell membrane, are also covered in this block.

MSK112 Musculoskeletal Block

The Musculoskeletal system is concerned with the study of muscles, bones and joints with their blood vessels, lymphatics and nerves. This block will consist mainly of the anatomy of the upper and lower limbs, including the development of musculoskeletal system (embryonic development of dermatomes and myotomes and congenital anomalies. In addition, muscle (muscle contraction and excitation-contraction coupling), and bone physiology will be covered.

GIT113 Gastrointestinal Block

The Gastrointestinal Tract (GIT) Block is designed to help students acquire basic knowledge of the morphologic and histological features and specific physiologic functions of the various organs comprising the GIT. The overall objective is to stress structural/functional correlates of the different organ systems within the GIT and how they contribute to the digestion and absorption of ingested nutrients. The knowledge acquired should provide a solid foundation for the understanding of GIT diseases in Phase II.

MOL114 Molecular Medicine I (Biochemistry & Cell Biology)

This course describes the structure and function of lipids including free fatty acids, triglycerides, cholesterol, eicosanoids and polyunsaturated fatty acids. It explains the synthesis and metabolic role of omega-3, omega-6, phospholipid, sphingolipid, steroids, lipoproteins, chylomicrons, VLDL, LDL and HDL in human health and disease. It explains the detail mechanisms for the synthesis of the components of plasma proteins and their role in health and disease. It explains the role of lipoprotein lipase enzyme in the incidence of myocardial infarction.

PRO115 Communications Skills

Learning in Communication Skills is designed to assist the student in developing fundamental clinical skills upon which they will build throughout their professional lives. This course highlights the communicative methodology, as practiced by senior physicians, residents, interns and medical students during their daily interaction with patients, health care teams, nurses and supervising consultants. Simulated clinical encounters are underpinned by the use of Simulated Patient's (SP's) and Small Group Discussions which serve to polish each student's individual communication skills. This technique is set against a background of the Patient Centered Interview (PCI) and other methods which embrace empathetic strategies to connect with each patient's concerns. Students explore communicative methods that work best for them. This a semester-long parallel course.

COM116 Primary Health Care & Rural Health

The goal of this semester-long parallel course is to introduce first year medical students to the field of Public Health, by highlighting its important implications on the health and safety of the entire community by combining historical as well as examples from their daily activities. This interactive course will allow students to share their opinions, provide their own examples and challenge their assumptions all in safe and scientific environment. Towards the end of each weekly session, students will leave class with a take-home message related to the module being taught which will summarize and solidify their learning experience.

CVB121 Cardiovascular + Blood Block

This course deals with the metabolic pathways in the kidney and describes how the kidney filters the blood, activates vitamin D, and describes how it balances the blood pH. This course describes the structure, function and energy supply to skeletal muscle, and describes the catabolic pathways

of nucleotides resulting in the production of uric acid and the medical effects of hyperuricaemia. This course also describes the fuels available to the brain in the fed and fasting states, and stem cell therapy. It finally deals with how hormones are classified and the functions of the different hormones, as well as explains the biochemical bases of semen analysis and pregnancy tests.

RSP122 Respiratory Block

This module builds upon an understanding of the structure and function of the cardiovascular system, and enables students to integrate basic science and clinical concepts related to this system, with emphasis on the structure-function relationships. Appropriate examples of medical imaging and diagnostic techniques are also introduced. In this block, major concepts related to blood and various blood cells shall be addressed. Specific emphasis will be placed on blood types, transfusion, and tissue and organ transplantation. Students shall also be exposed to basic concepts of haemostasis and thrombosis. Further, the various functions of white blood cells and lymphatics will be addressed with an emphasis on their role in resisting infection. It will include issues such as inflammation and immunity. Finally, complementary clinical issues will be introduced, such as, classification of anaemias, bleeding disorders and various coagulation deficiencies, thrombotic disorders as well as diseases of leucocytes, spleen and thymus. This section will include an introduction to approaches to patients with these disorders.

REN123 Renal Block

During the renal block, the student will be exposed to normal renal function and understand how failure of any of these renal functions can have a significant effect on other systems as well as a significant impact on homeostasis. The above learning objectives will be achieved by a combination of didactic lectures, structural and functional laboratories, large group discussion sessions, and Team-Based Learning (TBL) sessions. All these discussion sessions will emphasize learning normal renal anatomy and normal renal physiology.

GEN124 Genetics

This course deals with areas of genetics, which was crowned by the completion of the Human Genome Project a decade ago. This course helps the students who are the future physicians to understand the essence of health and disease; paving the way for myriads of medical and research applications. The course links the principles of human genetics and its applications in medicine to the integral part in the clinical practice. The course aims to provide future physicians with core knowledge in genetics as well as an understanding of the role of genetic factors in health and disease.

MOL125 Molecular Medicine II (Biochemistry & Cell Biology)

This course deals with the metabolic pathways in the kidney and describes how the kidney filters the blood, activates vitamin D, and describes how it balances the blood pH. This course describes the structure, function and energy supply to skeletal muscle, and describes the catabolic pathways of nucleotides resulting in the production of uric acid and the medical effects of hyperuricaemia. This course also describes the fuels available to the brain in the fed and fasting states, and stem cell therapy. It finally deals with how hormones are classified and the functions of the different hormones, as well as explains the biochemical bases of semen analysis and pregnancy tests.

كلية القانون

مقدمة

أنشئت كلية القانون في جامعة عجمان لتكون أحد صروح التعليم القانوني على المستويين المحلي والإقليمي ولتؤدي دورها بين مؤسسات التعليم الجامعي الإماراتية في إعداد أجيال قانونية قادرة على العطاء. ولكلية القانون جذور ترجع إلى عام 2003 حيث بدأت الكلية أولى خطواتها من خلال طرح برنامج البكالوريوس في القانون، الذي قدم إلى هيئة الاعتماد الأكاديمي بوزارة التربية والتعليم، وحصل على وضعية الأهلية للاعتماد الأكاديمي عام 2005، وقد تطور هذا البرنامج عبر مدخلات متعددة استجابة لمتطلبات الاعتماد التي أسهمت في تجديد اعتماده سنة 2011. وقد أنشئ فرع للكلية بمقر الجامعة في إمارة الفجيرة استقبل أولى دفعاته بداية العام الجامعي 2006 - 2007.

وفي مرحلة لاحقة من مراحل تطور كلية القانون جامعة عجمان شرعت الكلية في طرح برامج الماجستير في القانون، مُستهلة ذلك بطرح برنامج الماجستير في القانون العام في الفصل الدراسي الثاني من العام الجامعي 2008-2009، ثم طرحت الكلية برنامج الماجستير في القانون الخاص في الفصل الدراسي الأول من العام الجامعي 2009-2010. وقد نال برنامجا الماجستير في القانون العام والقانون الخاص الاعتماد النهائي في مايو 2015، كما طرحت الكلية برنامج دكتوراه الفلسفة في القانون في الفصل الدراسي الثاني من العام الجامعي 2018/2017م بعد أن نال الاعتماد المبدئي في سبتمبر 2017.

رسالة الكلية

تسعى الكلية إلى توفير البيئة العلمية المناسبة لإطلاق الإبداع في مختلف العلوم القانونية، وذلك عن طريق اعتماد برامج أكاديمية متميزة تهدف إلى تخريج الكوادر المؤَهَلة والمُدَرّبة على ممارسة الأعمال القانونية والشرعية وتعميق البحث القانوني المقارن في ضوء المشكلات المحلية والإقليمية والعالمية وذلك لتلبية متطلبات المجتمع في دولة الإمارات العربية المتحدة خاصة، ودول مجلس التعاون الخليجي والدول العربية عامة.

أهداف الكلية

* بناء هيكل تنظيمي علمي وإداري مؤَهل لتفعيل منظومة المعرفة.
* التسخير الأمثل للموارد المتاحة بما يضمن تحقيق الموازنة بين الأهداف الأكاديمية والاجتماعية والأهداف الاقتصادية للكلية.
* تقديم المشورة العلمية في مجالات اختصاص الكلية والتعاون في مجال البحوث والدراسات الخاصة بالمجتمع المحلي، وعقد المؤتمرات والندوات والحلقات النقاشية التي تعزز ذلك وإعداد برامج دراسية للتعليم المستمر، والإسهام في التنمية البشرية في المجتمع بالقدر الذي لا يؤثر في التزامات الهيئة التدريسية.
* إعداد برامج منهجية للتعليم المستمر، وتنمية الكفاءات وخدمة المجتمع، وذلك بإنشاء التنظيمات الإدارية التي تتولى التخطيط لتلك البرامج وتنفيذها وتقويمها.
* تخريج كفاءات مؤَهلة تأهيلاً علمياً رفيعاً قادرة على تحصيل المعرفة بأنفسهم وتثميرها وتوظيفها.
* تهيئة احتياجات المجتمع المحلي والخليجي والعربي من الكفاءات المؤَهلة لخدمته وتطويره وتحقيق التنمية الشاملة فيه
* مد جسور التواصل والتعاون بين الكلية وبين المؤسسات والجامعات ومراكز البحث العلمي إقليمياً ودولياً.
* الحرص على الربط الوثيق بين مخرجات العمليات التعليمية والبحثية وبين متطلبات المجتمع وسوق العمل في شتى قطاعاته.

الأقسام العلمية

يوجد بالكلية قسمان علميان هما: قسم القانون العام وقسم القانون الخاص، يرأس كل منهما رئيس قسم يدير شؤون القسم بالاشتراك مع مجلس القسم الذي يضم في عضويته أعضاء هيئة التدريس التابع للقسم.

هذان القسمان العلميان معنيان بالإشراف على حسن سير العملية التعليمية بالقسم ولكنهما لا يمنحان درجات علمية تخصصية.

البرامج التي تطرحها الكلية

تطرح كلية القانون ثلاثة برامج أكاديمية، وهي:

1. برنامج البكالوريوس في القانون
2. برنامج الماجستير في القانون العام
3. برنامج الماجستير في القانون الخاص
4. دكتوراه الفلسفة في القانون

تمنح درجة دكتوراه الفلسفة في القانون، مع إضافة عنوان التخصص الفرعي الذي تدخل رسالة الدكتوراه في إطاره (تخصص قانون عام أو تخصص قانون خاص).

المختبرات

يتوفر في مبنى الكلية (مبنى الجرف 1) المختبرات الآتية: -

* مختبر للطلاب يحتوي 23 جهاز حاسوب

* مختبر للطالبات يحتوي 23 جهاز حاسوب

ويتوفر في الكلية قاعة مخصصة للمحكمة التعليمية.

التدريب العملي

يلتزم طلبة البرنامج بإنجاز مساق التدريب العملي ضمن مساقات البرنامج، وتتولى لجنة التدريب بالكلية متابعة شؤون التدريب العملي من خلال القيام بالواجبات الآتية:

أ) إعداد الخطط المتعلقة بالتدريب والإشراف على تنفيذها وفقًا لمراحلها الزمنية المقررة في الخطة، والتنسيق في ذلك مركز التدريب بالجامعة.

ب) التنسيق مع مركز التدريب في الجامعة، لتنظيم كل ما يتعلق بعملية تدريب الطلبة في المؤسسات ذات الصلة بتخصصاتهم العلمية.

ت) التنسيق مع المشرفين الأكاديميين في القسم وتزويدهم بالتعليمات والنماذج الخاصة بالتدريب لمتابعة الطلبة المتدربين أثناء مدة التدريب.

ث) الإشراف على مناقشة تقارير التدريب وتهيئة البيئة المناسبة لعرض ومناقشة هذه التقارير، بالتنسيق مع أعضاء هيئة التدريس المشرفين على التدريب.

ج) متابعة ملفات توثيق أنشطة التدريب مع السادة أعضاء هيئة التدريس وتدقيقها وفقًا للضوابط والمعايير المعمول بها في مركز التدريب في الجامعة ومتطلبات الاعتماد الأكاديمي.

مواقع التدريب العملي

من منطلق حرص الكلية على تنويع جهات التدريب وتوسيع فرص الاختيار أمام طلبة مساق التدريب العملي لتلقي أنشطة التدريب في الجهة الأكثر تلبية لحاجاتهم، عقدت الكلية أكثر من اتفاقية تسهم في تلبية هذا الهدف، ومن ذلك اتفاقية مع كل من الجهات الآتية:

أ - مركز الشارقة للتحكيم التجاري الدولي.

ب - وزارة العدل (وتمثلها محكمة الفجيرة الاتحادية).

ج - القيادة العامة لشرطة عجمان.

د - المحكمة الاتحادية العليا.

هـ - محاكم DIFC بمركز دبي المالي العالمي.

و - مكتب زايد الشامسي للمحاماة والاستشارات القانونية.

ز - غرفة تجارة عجمان.

ح - معهد دبي القضائي

مراحل التدريب العملي

يتلقى طلبة البرنامج التدريب العملي على مرحلتين:

أولا - مرحلة التدريب الداخلي: وهي المرحلة التي يتلقى فيها الطالب مهارات التدريب داخل الكلية من خلال المحكمة الصورية. وقد تم إنشاء نموذج "المحكمة الصورية" بالكلية لتسهم في تطوير مهارات الطلبة في مساق التدريب العملي من خلال تمكينهم من الممارسة الذاتية، وبحيث يصبح الطالب قادراً بذاته على تنفيذ إجراءات قانونية، وبما يجعلهم أكثر إحاطة بالجوانب العملية لمساقات البرنامج.

ثانيا - مرحلة التدريب الخارجي: وهي المرحلة التي ينتقل فيها الطالب لمواقع التدريب الخارجية (أي خارج الكلية)، ليتعرف وليمارس كل ما يكلف به من إجراءات وأعمال يطبق من خلالها المعارف التي تلقاها اثناء دراسته بالكلية.

برنامج البكالوريوس في القانون

مقدمة

قدم برنامج البكالوريوس في القانون إلى هيئة الاعتماد الأكاديمي بوزارة التربية والتعليم حيث حصل على وضعية الأهلية للاعتماد الأكاديمي في العام الجامعي 2005-2006 بعدد ساعات يبلغ (141) ساعة معتمدة. وقد تطور هذا البرنامج عبر مدخلات متعددة استجابة لمتطلبات الاعتماد التي أسهمت في حصوله بموجب القرار الوزاري رقم (103) لسنة 2011 على الاعتماد النهائي بتاريخ 28 أبريل 2011 وبعدد ساعات يبلغ 132 ساعة معتمدة.

أهداف برنامج البكالوريوس القانون

1. تمكين الطالب من الإلمام بالمعارف الأساسية في فروع القانون التي تمكنه من العمل في مختلف المجالات القانونية.
2. بناء الطالب بناءً منهجياً وفق القيم والفضائل المحلية والعالمية.
3. تنمية ملكات البحث العلمي لدى الطالب في المجالات القانونية والشرعية.
4. الربط الوثيق بين النظرية والتطبيق بما يضمن الاستفادة من المخرجات التعليمية في الواقع القانوني العملي.
5. استخدام التقنيات الحديثة لرفع المستوى العلمي وتحسين الأداء المهني.

شروط القبول

تقبل الكلية الطلبة الحاصلين على الثانوية العامة (أو ما يعادلها) بمعدل لا يقل عن 60% شريطة أن تكون مصدقة من وزارة التربية والتعليم في دولة الإمارات العربية المتحدة.

فرص العمل

يملك خريجو البرنامج العديد من الفرص المتزايدة في سوق العمل سواء داخل دولة الإمارات أو خارجها. ومن ذلك:

العمل في السلك الجامعي

العمل في سلك القضاء والنيابة

العمل في السلك الدبلوماسي

العمل في الإدارات القانونية بالجهات المختلفة الحكومية والخاصة

العمل في قطاع الشرطة

العمل في القطاع الخاص بمهنة المحاماة (حيث يفترض أن النشاط الاقتصادي المتنامي لدولة الإمارات يترك المجال للتنازع بين أصحاب المصالح بما يفسح المجال للعديد من خريجي البرنامج لمباشرة مهنة المحاماة).

كما يوفر البرنامج فرص واضحة للترقي داخل مجال الوظيفة التي يشغلها طالب البرنامج. ويبدو ذلك بوضوح في نطاق العمل الشرطي.

توظيف خريجي البرنامج

تسعى الكلية إلى ضمان إيجاد فرص عمل مناسبة لخريجي البرنامج وذلك من خلال ما يقيمه قسم استقطاب الكفاءات في إدارة الموارد البشرية من معارض توظيف، يلتقي فيها الباحثون مع أصحاب الفرص الوظيفية، ومحاولة إرشاد كل خريج إلى الفرصة الأكثر ملاءمة مع مهاراته ومعارفه.

متطلبات الدرجة العلمية

للحصول على درجة البكالوريوس في القانون، يتعين توافر الشروط الآتية:

1. أن ينجز الطالب بنجاح (132) ساعة معتمدة بما فيها التدريب العملي.
2. ألا يقل المعدل التراكمي للطالب عند استكمال متطلبات التخرج عن (2.0) نقطة.
3. أن يتقيد الطالب بالمدة القصوى (8 أعوام جامعية) والمدة الدنيا (3.5 عام جامعي) للبقاء في البرنامج.

الخطة الدراسية للبرنامج

هيكلة الخطة الدراسية لبرنامج البكالوريوس في القانون (132 ساعة معتمدة)

نوع المتطلب	عدد ساعات المساقات الإجبارية	عدد ساعات المساقات الاختيارية	إجمالي عدد الساعات
متطلب جامعة	15	9	24
متطلب تخصص	96	12	108
الإجمالي	111	21	132

مساقات الخطة الدراسية لبرنامج البكالوريوس في القانون (132 ساعة معتمدة)

المستوى الأول

الفصل الأول

م	رقم المساق	المساق		المتطلب السابق	س/م		
					نظري	عملي	إجمالي
1	LAW110	تاريخ التشريع الإسلامي ومصادره	History of Islamic Legislation and its Sources	-	3	-	3
2	LAW100	المدخل لدراسة القانون	Introduction to Law	-	3	-	3
3	ISL114	الثقافة الإسلامية	Islamic Culture (For Arabs)	-	3	-	3
4	ARB111	مهارات الاتصال باللغة العربية	Communication Skills in Arabic Language (For Arabs)	-	3	-	3
5	STA111	الإحصاء باللغة العربية	Statistics (Arabic)	-	3	-	3
6	xxxxx	متطلب جامعة اختياري 1	-	-	3	-	3
				إجمالي الساعات			18

الفصل الثاني

م	رقم المساق	المساق		المتطلب السابق	س/م		
					نظري	عملي	إجمالي
1	LAW101	قانون المعاملات المدنية (1) (مصادر الالتزام الإرادية)	Civil Transactions Law(1) - Voluntary Sources of Obligation	المدخل لدراسة القانون LAW 100	3	-	3

2	LAW150	عقوبات عام (1)	General Penal Law (1)	لمدخل ا لدراسة القانون LAW 100	2	-	2
3	LAW120	قانون المعاملات التجارية(1) نظرية التاجر-الأعمال التجارية	Commercial Transactions Law (1) Trader and Commercial Activities	لمدخل ا لدراسة القانون LAW100	3	-	3
4	LAW160	القانون الدستوري	Constitutional Law	لمدخل ا لدراسة القانون LAW 100	3	-	3
5	COM111	أساسيات الحاسوب	IT Fundamentals (Arabic)	-	2	2	3
6	xxxxxx	متطلب جامعة اختياري 2		-	3	-	3
إجمالي الساعات							17

المستوى الثاني

الفصل الثالث

م	رقم المساق	المساق		المتطلب السابق	س/م		
					نظري	عملي	إجمالي
1	LAW211	الأحوال الشخصية للمسلمين	Personal Status of Muslims	تاريخ التشريع الإسلامي LAW110 ومدني (1) LAW 101	3	-	3
2	LAW251	عقوبات عام (2)	General Penal Law (2)	عقوبات عام (1)LAW 150	2	-	2
3	LAW202	قانون المعاملات المدنية (2) (مصادر الالتزام غير الإرادية)	Civil Transactions Law(2) - Involuntary Sources of Obligation	مدني (1)LAW 101	2	-	2
4	LAW261	مبادئ القانون الإداري	Fundamentals of Administrative Law	الدستوريLAW160	3	-	3
5	xxxx	متطلب جامعة اختياري		-	3	-	3
6	xxxxx	متطلب تخصص اختياري 1		-	3	-	3
إجمالي الساعات							16

الفصل الرابع

م	رقم المساق	المساق		المتطلب السابق	س/م		
					نظري	عملي	إجمالي
1	LAW291	مصطلحات وقراءات قانونية باللغة الإنجليزية	Legal Terminology and Readings in English	(مدني 2) LAW202	3	1	3
2	LAW252	عقوبات خاص (1)	Special Penal Law (1)	عقوبات عام (2) LAW251	2	-	2
3	LAW203	قانون المعاملات المدنية (3) (أحكام الالتزام)	Civil Transactions Law (3) - Effects of Obligation	مدني (2) LAW202	3	-	3
4	LAW221	قانون المعاملات التجارية (2) (الشركات التجارية والإفلاس)	Commercial Transactions Law (2) Commercial Companies & Bankruptcy	تجاري (1) LAW120 ومدني (2)LAW202	3	-	3
5	LAW290	مناهج البحث في العلوم القانونية	Research Methodology in Legal Science	مدني (2) LAW202	2	-	2
6	LAW280	القانون الدولي العام	Public International Law	قانون إداري LAW261	3	-	3
		إجمالي الساعات					16

المستوى الثالث

الفصل الخامس

م	رقم المساق	المساق		المتطلب السابق	س/م		
					نظري	عملي	إجمالي
1	LAW330	قانون الإجراءات المدنية (1) (التقاضي والقضاء)	Civil Procedures Law (1) Litigations & Judiciary	مدني (3) LAW203	3	-	3
2	LAW353	عقوبات خاص (2)	Special Penal Law (2)	عقوبات خاص (1) LAW252	2	-	2
3	LAW304	قانون المعاملات المدنية (4) (العقود المسماة)	Civil Transactions Law (4) Nominate contracts	مدني (3) LAW203	3	-	3
4	LAW305	أحكام الإثبات	Proof Rules	مدني (3) LAW203	2	-	2
5	LAW312	فقه المواريث والوصايا والوقف	The Doctrine of Inheritance, Wills and Waqf	أحوال شخصية ومدني (3) 1LAW21 LAW203	3	-	3

6		الابتكار وريادة الأعمال	Innovation and Entrepreneurship (Arabic)	إنجاز 60 س م	3	-	3
إجمالي الساعات							16

الفصل السادس

م	رقم المساق	المساق		المتطلب السابق	س/م		
					نظري	عملي	إجمالي
1	LAW370	مبادئ علم الاقتصاد	Principles of Economics	مدني (4) LAW304	3	-	3
2	LAW331	قانون الإجراءات المدنية (2) (التحكيم التجاري الدولي المحلي)	Civil Procedures Law (2) Local And International Commercial Arbitration	إجراءات مدنية (1) LAW330	2	-	2
3	LAW306	قانون المعاملات المدنية (5) (الحقوق العينية الأصلية)	Civil Transactions Law (5) Principal Real Estate Rights	مدني (4) LAW304	2	-	2
4	LAW307	قانون العمل والتشريعات الاجتماعية	Labour Law and Social Legislations	مدني (4) LAW304	3	-	3
5	LAW355	قانون الإجراءات الجزائية (1)	Law of Criminal Procedure (1)	عقوبات خاص (2)LAW353	2	-	2
6	LAW354	النظام الجزائي الإسلامي	Islamic Penal System	عقوبات خاص (2)LAW353	2	-	2
7	xxxxxx	متطلب تخصص اختياري 2		-	3		3
إجمالي الساعات							17

المستوى الرابع

الفصل السابع

م	رقم المساق	المساق		المتطلب السابق	س/م		
					نظري	عملي	إجمالي
1	LAW456	قانون الإجراءات الجزائية (2)	Law of Criminal Procedure (2)	إجراءات جزائية (1)LAW355	2		2
2	LAW413	أصول الفقه	Fundamentals of Doctrine	اجتياز الطالب 100 ساعة معتمدة	3	-	3

3	LAW432	قانون الإجراءات المدنية (3) (التنفيذ الجبري)	Civil Procedures Law (3) Enforcement	إجراءات مدنية (2)LAW331	3	-	3
4	LAW440	القانون الدولي الخاص(1) (الجنسية ومركز الأجانب)	Private International Law (Nationality & Status of Foreigners)	إجراءات مدنية (2)LAW331	2	-	2
5	LAW422	قانون المعاملات التجارية (3) الأعمال المصرفية (والعقود والأوراق التجارية)	Commercial Transactions Law (3) Banking Operations, Commercial Papers & Contracts	اجتياز الطالب 100 ساعة معتمدة	3	-	3
6	xxxxx	متطلب تخصص اختياري 3		-	3	-	3
إجمالي الساعات							16

الفصل الثامن

م	رقم المساق	المساق		المتطلب السابق	س/م		
					نظري	عملي	إجمالي
1	LAW423	الملكية الفكرية	Intellectual Property	اجتياز الطالب 108 ساعة معتمدة	2	-	2
2	LAW441	القانون الدولي الخاص (2) تنازع القوانين (والاختصاص القضائي وتنفيذ الأحكام)	Private International Law (Conflict of Law, Jurisdiction & Judicial Decisions Enforcement)	اجتياز الطالب 108 ساعة معتمدة	3	-	3
3	LAW424	القانون البحري والقانون الجوي	Maritime & Air Law	اجتياز الطالب 108 ساعة معتمدة	3	-	3
4	LAW408	قانون المعاملات المدنية (6) (ضمانات الائتمان العينية والشخصية)	Civil Transactions Law 6	اجتياز الطالب 108 ساعة معتمدة	2	-	2
5	LAW492	التدريب العملي	Legal Practical Training	إجراءات مدنية (3)LAW432 إجراءات جزائية (2)LAW456	3	-	3

6	xxxxxx	متطلب تخصص اختياري 4		-	3	-	3
إجمالي الساعات							16

اولاً: قائمة مساقات التخصص الاختيارية*

*يدرس الطالب 4 مساقات فقط من مساقات هذه القائمة طوال فترة التحاقه بالبرنامج:

م	رقم المساق	المساق		المتطلب السابق
1	LAW262	حقوق الإنسان	Human Rights	القانون الدستوري
2	LAW263	العقود الإدارية	Administrative Contracts	القانون الإداري
3	LAW381	المنظمات الدولية	International Organizations	القانون الدولي العام
4	LAW471	المالية العامة والتشريع الضريبي	Public Finance and Tax Legislation	مبادئ علم الاقتصاد
5	LAW426	النظام القانوني للاستثمار	Legal System of Investment	مبادئ علم الاقتصاد وقانون المعاملات التجارية 2
6	LAW427	النظام القانوني للأسواق المالية	Legal System of Stock Markets	مبادئ علم الاقتصاد
8	LAW364	قانون حماية البيئة	Environment Protection Law	عقوبات خاص (1)
9	LAW357	علم الإجرام والعقاب	Criminology and Punishment Science	عقوبات خاص (1)
10	LAW459	التشريعات الجزائية الخاصة	Private Penal Legislations	قانون الإجراءات الجزائية (1)
11	LAW325	الجوانب القانونية للتجارة الإلكترونية	The Law of Electronic Commerce	قانون المعاملات المدنية (3) وقانون المعاملات التجارية (2)
12	LAW309	قانون المعاملات الرياضية	Sports Law	قانون المعاملات المدنية (3)
13	LAW265	الإدارة العامة	Public Administration	القانون الإداري

توصيف مساقات برنامج بكالوريوس القانون

توصيف مساقات التخصص الإجباري

مساق " المدخل لدراسة القانون "

رقم المساق: Law 100 عدد الساعات: 3 س م

المتطلب السابق: -

الكتاب المقرر: المدخل لدراسة القانون - نظرية القانون ونظرية الحق. اسم المؤلف: د. مجدي حسن خليل و أ.د. الشهابي إبراهيم الشرقاوي دار النشر: دار النهضة العربية. 2016

توصيف المساق:

يتناول المساق دراسة النظرية العامة للقانون من حيث: تعريف القانون. وخصائص القاعدة القانونية. وعلاقتها بالقواعد الاجتماعية الأخرى. وفروع القانون. ومصادره الرسمية والتفسيرية. ونطاق تطبيق القانون من حيث المكان والزمان. وتفسير القانون.

كما يتناول المساق دراسة النظرية العامة للحق من حيث: التعريف بالحق. وبيان صلته بالقانون. وأنواع الحقوق وتقسيماته. وأشخاص الحق (الشخص الطبيعي- الشخص الاعتباري). ومحل الحق. ووسائل حمايته. ومصادره. واستعماله. وإثباته. وطرق انقضائه.

مساق " قانون المعاملات المدنية (1) " (مصادر الالتزام الإرادية)

رقم المساق: law 101
عدد الساعات: 3 س م
المتطلب السابق: المدخل لدراسة القانون
الكتاب المقرر: مصادر الالتزام الإرادية. المؤلف: أ.د. الشهابي إبراهيم الشرقاوي دار النشر: الآفاق المشرقة ناشرون. 2014

توصيف المساق:

يتناول المساق دراسة المصادر الإرادية للالتزام (العقد - الإرادة المنفردة) من حيث: تعريف العقد ودور مبدأ سلطان الإرادة في العقود وتقسيمات العقود. وأركان العقد وآثاره سواء بالنسبة إلى طرفيه أو الغير. وجزاء الإخلال بالعقد وأركان المسؤولية العقدية. ودراسة الإرادة المنفردة من حيث: التعريف. وأحكام الوعد بجائزة الموجه للجمهور (شروطه - آثاره - تقادمه).

مساق " قانون المعاملات المدنية (2) " (مصادر الالتزام غير الإرادية)

رقم المساق: Law 202

عدد الساعات: 2 س م

المتطلب السابق: قانون المعاملات المدنية (1)

توصيف المساق:

يتناول المساق التعريف بالمسؤولية التقصيرية والتميز بينها وبين المسؤولية العقدية. والجمع والخيرة بين المسؤوليتين. وأركان المسؤولية التقصيرية (الخطأ التقصيري - الضرر - علاقة السببية): الفعل الضار. المسؤولية عن الخطأ الشخصي والمسؤولية عن عمل الغير والمسؤولية عن الأشياء. والضرر بنوعيه المادي والأدبي. وعلاقة السببية بين الفعل الضار والضرر. ودراسة دعوى المسؤولية التقصيرية. ودراسة الفعل النافع (الكسب دون سبب) والقانون باعتبارهما مصدران غير إراديين للالتزام.

مساق"قانون المعاملات المدنية (3)" (أحكام الالتزام)

رقم المساق: Law 203
عدد الساعات: 3 س م
المتطلب السابق: قانون المعاملات المدنية (2) مصادر الالتزام غير الإرادية

توصيف المساق:

يتناول المساق دراسة الالتزام من حيث آثاره: التنفيذ العيني ووسائله، التنفيذ بمقابل أو بطريق التعويض، والوسائل التي تكفل حقوق الدائنين (الدعوى غير المباشرة - دعوى الصورية - دعوى عدم نفاذ التصرف - الحجر على المدين المفلس - حق الاحتباس)، وأوصاف الالتزام: الشرط والأجل، تعدد محل الالتزام - تعدد طرفي الالتزام، وانتقاله (حوالة الحق - حوالة الدين)، وانقضائه سواء بالوفاء، أو بما يعادل الوفاء، أو دون الوفاء به.

مساق" قانون المعاملات المدنية (4) " (العقود المسماة البيع والتأمين والمقاولة)

رقم المساق: Law 304
عدد الساعات: 3 س م
المتطلب السابق: قانون المعاملات المدنية (3) - أحكام الالتزام
توصيف المساق:
يتناول المساق دراسة عقد البيع من حيث: تعريفه وأركانه وآثاره: التزامات البائع (نقل الملكية - تسليم المبيع - ضمان التعرض والاستحقاق - ضمان العيوب الخفية)، والتزامات المشتري (تسلم المبيع - الوفاء بالثمن) . وعقد التأمين، من حيث التعريف به وخصائصه وانعقاده وإثباته وتفسيره وآثاره وانتهائه. ودراسة عقد المقاولة من حيث: تعريفه، وأركانه، وآثاره، وانقضائه، وأحكام عقد المقاولة من الباطن وآثاره.

مساق " قانون المعاملات المدنية (5) "

رقم المساق: Law 306
عدد الساعات: 2 س م
المتطلب السابق: قانون المعاملات المدنية 4
توصيف المساق:

يتناول المساق التعريف بالحقوق العينية وأنواعها والتمييز بينها وبين الحقوق الشخصية، ودراسة حق الملكية من حيث التعريف به وخصائصه وعناصره والقيود والواردة عليه سواء قيوداً قانونية أو قيودا إرادية (الشرط المانع من التصرف)، وأحكام الملكية الشائعة، وأسباب كسب الملكية.
ودراسة الحقوق العينية الأصلية الأخرى (حق الانتفاع، حق الاستعمال وحق السكني، حق المساطحة - حق الارتفاق).

مساق " قانون المعاملات المدنية (6) " ضمانات الائتمان العينية والشخصية

رقم المساق: Law 408
عدد الساعات: 2 س م
المتطلب السابق: قانون المعاملات المدنية (5) - وقانون الاجراءات المدنية (3)
توصيف المساق:

يتناول المساق دراسة الرهن التأمين من حيث تعريفه وخصائصه والشروط الموضوعية لإنشائه سواء تلك التي يلزم توافرها في الراهن أو الدين المضمون بالرهن أو العقار المرهون، والشروط الشكلية، وآثار العقد سواء بالنسبة لطرفيه أو للغير، وانقضائه.
ودراسة الرهن الحيازي وشروطه وآثاره وانقضائه، وحقوق الامتياز: أنواعها ومراتبها. ودراسة الكفالة من حيث: تعريفها ومحل التزام الكفيل، وأنواعها، وآثارها سواء بالنسبة للعلاقة بين الكفيل والدائن أو بين الكفيل والمدين، وانتهائها.

مساق " أحكام الإثبات "

رقم المساق: Law 305
عدد الساعات: 2 س م
المتطلب السابق: قانون المعاملات المدنية (3)
توصيف المساق:

يتناول المساق دراسة المبادئ العامة في الإثبات من حيث: تعريفه وبيان أهميته، ومحله، ومن يتحمل عبء الإثبات، وطرق الإثبات: الكتابة - شهادة الشهود - القرائن -الإقرار - اليمين، ودراسة حجية المستند الإلكتروني في الإثبات.

مساق " قانون العمل والتشريعات الاجتماعية "

رقم المساق: Law 307
عدد الساعات: 3 س م
المتطلب السابق: قانون المعاملات المدنية (4)
توصيف المساق:

يتناول المساق دراسة المبادئ العامة في قانون العمل من حيث التعريف به وأهميته والخصائص المميزة له ومصادره، ونطاق تطبيقه من حيث الأشخاص. وتعريف عقد العمل وعناصره المميزة (التبعية - الأجر: ماهيته وضمانات الوفاء به وحمايته)، وإبرامه وإثباته وآثاره من حيث الالتزامات التي يرتبها على طرفيه (العامل وصاحب العمل)، ووقف العقد وانقضائه. ودراسة التأمينات الاجتماعية: أنواعها والمستحقين لها وشروط استحقاقها.

10-مساق " قانون المعاملات التجارية (1) (نظرية التاجر والأعمال التجارية)

رقم المساق: Law 120
عدد الساعات: 3 س م
المتطلب السابق: المدخل لدراسة القانون
توصيف المساق:

دراسة النظرية العامة للقانون التجاري , أي القواسم المشتركة التي تطبق في مختلف مساقات القانون التجاري الأخرى (كالقانون البحري والجوي والعمليات المصرفية ... الخ) من حيث تعريف القانون التجاري ومصادره ومفهوم العمل التجاري ونظامه القانوني وأشكاله والتاجر التزاماته والتشريعات المنظمة للتجارة كتلك المتعلقة بحماية المستهلك والإغراق والغش التجاري والنظام القانوني للمحل التجاري وعناصره والتصرف فيه.

11-مساق " قانون المعاملات التجارية (2) (الشركات التجارية والإفلاس)

رقم المساق: Law 221
عدد الساعات: 3 س م
المتطلب السابق: قانون المعاملات التجارية (1) - قانون المعاملات المدنية (2)
توصيف المساق:

يتناول المساق التعريف بالشركة وخصائصها وتمييزها عما سواها، وأنواع الشركات المختلفة وفق قانون الشركات الإماراتي، مع التأكيد على تأسيس الشركات وأشكالها وتكوينها، والشخصية المعنوية لها، والأحكام العامة لانقضاء الشركات التجارية وتصفيتها، ودراسة أحكام الإفلاس التجاري من حيث شروطه وآثاره وإدارة التفليسة وانتهائها.

12-مساق " قانون المعاملات التجارية (3) " (الأوراق التجارية والعمليات المصرفية)

رقم المساق: Law 422
عدد الساعات: 3 س م
المتطلب السابق: قانون المعاملات التجارية (2) واجراءات مدنية (2)
توصيف المساق:

يتناول هذا المساق دراسة الأعمال المصرفية كالودائع النقدية والتحويل المصرفي، والقرض المصرفي، وخطاب الضمان، والاعتماد العادي والمستندي ... كما يتناول دراسة الأوراق التجارية وهي الكمبيالة والسند الأذني والشيك.

13-مساق " الملكية الفكرية "

رقم المساق: Law 423
عدد الساعات: 2 س م
المتطلب السابق: قانون المعاملات التجارية (3)

توصيف المساق:

يتناول المساق مفهوم ومضمون الملكية الفكرية: مفهوم حق المؤلف بجانبيه الأدبي والمالي والحماية القانونية المقررة له. وتعريف الحقوق المجاورة ومضمونها والحماية القانونية لها. والتعريف ببراءة الاختراع وشروط منحها وتسجيلها. وحقوق وامتيازات صاحب الاختراع وانقضاء البراءة ودعوى إبطالها. والحماية القانونية لبراءة الاختراع على المستويين المحلي والدولي. ودراسة الرسوم والنماذج الصناعية والحماية القانونية لها. والعلامات التجارية والبيانات التجارية وشروطها وتسجيلها والحماية القانونية لها. والإشارة إلى جرائم علامات البضائع وعقوباتها والإجراءات التحفظية.

14-مساق " القانون البحري والقانون الجوي "

رقم المساق: Law 424
عدد الساعات: 3 س م
المتطلب السابق: قانون المعاملات التجارية (3)

توصيف المساق:

يتناول المساق التعريف بالقانون البحري وخصائصه ونشأته ومصادره. وتوضيح عناصر الملاحة البحرية: الوضع القانوني للسفينة. أشخاص الملاحة البحرية. عقد إيجار السفينة وأنواعه. عقد النقل البحري وخصائصه. مسؤولية الناقل البحري والبيوع البحرية. عقد نقل الأشخاص بحراً. الحوادث البحرية. المساعدة والإنقاذ والخسائر المشتركة وفقاً للتشريع التجاري البحري والاتفاقيات الدولية بهذا الخصوص.

ودراسة مجموعة القواعد القانونية التي تنظم الملاحة في الغلاف الجوي. والعلاقات التي تنشأ عن استعمال المركبات الهوائية أو الطائرات. والاتفاقات الدولية التي تنظم هذا الموضوع.

15-مساق " تاريخ التشريع الإسلامي ومصادره"

رقم المساق: Law 110
عدد الساعات: 3 س م
المتطلب السابق: لا يوجد

توصيف المساق:

يتناول المساق أبوابا ومداخل مهمة للعلوم الشرعية. تبين ضرورة وجود التشريعات لتنظيم الحياة الاجتماعية والشخصية للإنسان وتعريفاً بالشريعة والفقه وبيان أقسامهما. ومصادر التشريع الإسلامي والأدوار التاريخية للتشريع الإسلامي وخصائصها. وبعض القواعد الكلية في الفقه الإسلامي وشرحا وافيا لبعض النظم الإسلامية.

16-مساق " الأحوال الشخصية للمسلمين "

رقم المساق: Law 211
عدد الساعات: 3 س م
المتطلب السابق: تاريخ التشريع الإسلامي ومصادره - قانون المعاملات المدنية (1)

توصيف المساق:

يتناول المساق أهم الأبواب الخاصة بالأحوال الشخصية. ودراستها دراسة مقارنة مستوفية لأهم آراء العلماء وأدلتهم فيما ذهبوا إليه وصححوه. من ذلك مباحث الزواج وأحكامه. وحقوق الزوجين. وفرق النكاح وأحكامه كالطلاق والخلع والعدة. وأحكام الرضاع والنسب التبني والحضانة وأحكام التفريق للضرر وللعيب ولغيبة الزوج. والفرق التلقائية من الخلع والظهار والإيلاء واللعان. وأحكام العدة. وما إلى ذلك.

17-مساق " فقه المواريث والوصايا والوقف "

رقم المساق: Law 312
عدد الساعات:3 س م
المتطلب السابق: قانون الأحوال الشخصية وقانون المعاملات المدنية (3)

توصيف المساق:
يتناول المساق دراسة أحكام المواريث من حيث أركان الإرث وأسبابه وشروطه وموانع الإرث، وأصحاب الفروض والعصبات وميراث ذوي الأرحام، وميراث الحمل والمفقود والغرقى والهدمى. ودراسة الوصية من حيث أركانها وشروطها ومبطلاتها، والوصية الواجبة وتزاحم الوصايا، والوقف من حيث: تعريفه ومشروعيته وصفته وأنواعه وأركانه وشروطه وطرق الانتفاع بالوقف والولاية عليه.

18-مساق " أصول الفقه "

رقم المساق: Law 413
عدد الساعات: 3 س م
المتطلب السابق: فقه المواريث والوصايا والوقف - النظام الجزائي الاسلامي
توصيف المساق:
يتناول المساق تعريف علم أصول الفقه وأهميته، ثم شرحا لأهم مباحثه مثل المباحث المتعلقة بالحكم الشرعي وأقسامه كالمندوب والحرام والمكروه والمباح والعزيمة والرخصة والحكم الوضعي وأقسامه، والسبب والشرط المانع والصحة والبطلان، والحاكم والمحكوم فيه وشروطه، والمحكوم عليه، والأهلية وعوارضها وأقسامها، وأدلة الأحكام وطرق استنباطها، والقواعد الأصولية اللغوية.

19-مساق"مناهج البحث في العلوم القانونية "

رقم المساق: Law 290
عدد الساعات: 2 س م
المتطلب السابق: قانون المعاملات المدنية (2)
توصيف المساق:
يتناول المساق دراسة منهجية البحث القانوني ومقوماته الأساسية، وتكليف الطالب بإعداد بحث تخرج في أحد الموضوعات القانونية تحت إشراف أستاذ المادة، ودراسة منهجية تحليل الأحكام القضائية وكيفية استخلاص القواعد القانونية منها وأوجه الطعن فيها، ومنهجية تحليل النصوص التشريعية والوقوف على حقيقة إرادة المشرع من خلال تفسيرها.

20-مساق "قانون الإجراءات المدنية (1)"
(نظرية الدعوى والاختصاص والتنظيم القضائي والأحكام)

رقم المساق: Law 330
عدد الساعات: 3 س م
المتطلب السابق: قانون المعاملات المدنية (3)
توصيف المساق:

يتناول المساق دراسة التنظيم القضائي في دولة الإمارات، وأحكام تعيين ورد القضاة، والاختصاص القضائي الولائي والنوعي والقيمي والمحلي، والدعوى وإجراءاتها والأحكام المختلفة المتعلقة بها، والأحكام القضائية وأقسامها ومشتملاتها وشروط صحتها، وطرق الطعن العادية (المعارضة والاستئناف) وغير العادية (النقض والتماس إعادة النظر)، والأوامر.

21-مساق "قانون الإجراءات المدنية (2)" (التحكيم التجاري الدولي والمحلي)

رقم المساق: Law 331
عدد الساعات: 2 س م
المتطلب السابق: قانون الإجراءات المدنية 1
وصيف المساق:

يتناول المساق التعريف بالتحكيم التجاري الدولي وأنواعه ومزاياه وبيان الفارق بينه وبين النظم المتشابهة في تسوية المنازعات، وكذلك نطاقه وأركانه وأساليب اختيار المحكمين والقانون الواجب التطبيق، بالإضافة إلى دراسة عقد التحكيم وفوائده وانقضائه، تنفيذ حكم التحكيم.

22-مساق "قانون الإجراءات المدنية (3)" (التنفيذ الجبري)

رقم المساق: Law 432
عدد الساعات: 3 س م
المتطلب السابق: قانون الإجراءات المدنية (2)
توصيف المساق:

يتناول المساق دراسة مفهوم التنفيذ الجبري وشروطه ووسائل إجبار المدين على تنفيذ التزامه، والقاعدة العامة في تنفيذ الأحكام القضائية، والنفاذ المعجل: أنواعه وشروطه وحالاته، والتنفيذ الجبري بالحجز والبيع: الحجز التحفظي حالاته وشروطه، وحجز المنقول لدى المدين، وحجز ما للمدين لدى الغير، والحجز العقاري، ومنازعات التنفيذ المختلفة.

23-مساق " القانون الدولي الخاص (1)" (الجنسية ومركز الأجانب)

رقم المساق: Law 440
عدد الساعات: 2 س م
المتطلب السابق: قانون الاجراءات المدنية (2)
توصيف المساق:

يتناول المساق دراسة أحكام تنازع القوانين من حيث: مفهوم الظاهرة وشروط وجودها وكيفية حلها بواسطة قواعد الإسناد في المجالات المختلفة التي نص عليها المشرع الإماراتي، ثم تنازع الاختصاص القضائي الدولي، وحالات الاختصاص الدولي لمحاكم الإمارات وكيفية تنفيذ الأحكام الأجنبية فيها، ومدى حجية تلك الأحكام.

24-مساق "القانون الدولي الخاص (2)"
(تنازع القوانين وتنازع الاختصاص القضائي الدولي وتنفيذ الأحكام)

رقم المساق: Law 441
عدد الساعات: 3 س م
المتطلب السابق: القانون الدولي الخاص (1)
توصيف المساق:

يتناول المساق دراسة أحكام تنازع القوانين من حيث: مفهوم الظاهرة وشروط وجودها وكيفية حلها بواسطة قواعد الإسناد في المجالات المختلفة التي نص عليها المشرع الإماراتي، ثم تنازع الاختصاص القضائي الدولي، وحالات الاختصاص الدولي لمحاكم الإمارات وكيفية تنفيذ الأحكام الأجنبية فيها، ومدى حجية تلك الأحكام.

25-مساق " القانون الدستوري "

رقم المساق: Law 160
عدد الساعات: 3 س م
المتطلب السابق: المدخل لدراسة القانون
توصيف المساق:

يتناول المساق دراسة القانون الدستوري من حيث: إيضاح طبيعته وتمييزه عن فروع القانون الأخرى والتعريف بالدستور وبيان مصادر الأحكام الدستورية وأنواع الدساتير ونشأتها وانقضائها ووسائل الحفاظ على سيادة الدستور من خلال بيان أنواع الرقابة على دستورية القوانين، ودراسة النظم السياسية المعاصرة وصورها الرئيسية ودراسة الدولة وأركانها وأشكالها ونظام الحكم فيها والنظام الدستوري لدولة الإمارات العربية المتحدة.

26-مساق " مبادئ القانون الإداري "

رقم المساق: Law 261
عدد الساعات :3 س م

المتطلب السابق: القانون الدستوري

توصيف المساق:

يتناول المساق التعريف بالقانون الإداري ومصادره والخصائص المميزة له وعلاقته بفروع القانون الأخرى والعمل الإداري وآثاره والعقود الإدارية وأركانها وإجراءات إبرامها وكيفية اختيار المتعاقد من جهة الإدارة من خلال المناقصات ودراسة ما ورد بقانون المناقصات المزايدات في دولة الإمارات، والرقابة على أعمال الإدارة من حيث ماهيتها وأنواعها وآثارها.

27-مساق " عقوبات عام 1 "

رقم المساق: Law 150
عدد الساعات: 2 س م
المتطلب السابق: المدخل لدراسة القانون

توصيف المساق:

يتناول المساق تعريف قانون العقوبات وأقسامه وطبيعته ونطاق تطبيقه (مبدأ الشرعية وقاعدة عدم الرجعية) وعلاقته ببعض فروع القانون الجنائي الأخرى، ودراسة النظرية العامة للجريمة (تعريفها وأركانها) والمشاركة الإجرامية وأسباب الإباحة وموانع المسؤولية الجنائية.

28-مساق " عقوبات عام 2 "

رقم المساق: Law 251
عدد الساعات: 2 س م
المتطلب السابق: عقوبات عام 1

توصيف المساق:

يتناول المساق دراسة العقوبة من حيث جوهرها وخصائصها وآثارها وأغراضها وتقسيماتها وأنواعها في قانون العقوبات الاتحادي، وتنفيذ العقوبة وتفريدها وتعددها، وانقضاء العقوبات وسقوطها وزوال الأحكام الصادرة بها، ودراسة التدابير الاحترازية (تطورها وخصائصها وشروط تطبيقها).

29-مساق " عقوبات خاص 1 "

رقم المساق: Law 252
عدد الساعات: 2 س م
المتطلب السابق: عقوبات عام 2

توصيف المساق:

يتناول المساق دراسة جرائم الاعتداء على الأشخاص: الجرائم الماسة بالحق في الحياة والأحكام المشتركة في القتل ومحل الاعتداء فيه والركن المادي بعناصره، والأحكام الخاصة بالقتل العمد، وأسباب الإباحة، وعقوبة القتل العمد والظروف المشددة والظروف المخففة، والأحكام الخاصة بالقتل غير العمد، والجرائم الماسة بسلامة الجسم، والجرائم الواقعة على العرض، والجرائم الواقعة على السمعة.

30-مساق " عقوبات خاص 2 "

رقم المساق: Law 353
عدد الساعات:2 س م
المتطلب السابق: عقوبات خاص 1

توصيف المساق:

يتناول المساق دراسة جرائم السرقة وتعريفها وأقسامها وأركانها والجرائم الملحقة بها، والسرقة الموجبة للحد، وعقوبة السرقة في الشريعة والظروف المشددة، والاحتيال والجرائم الملحقة به، وجريمة خيانة الأمانة وما يتصل بها والجرائم الملحقة بها، وجريمة

الشيك بدون رصيد (بسوء نية)، والجرائم المتعلقة بالوظيفة العامة (الرشوة - استغلال الوظيفة وإساءة استعمال السلطة - التعدي على الموظفين - انتحال الوظائف والصفات).

31-مساق " قانون الإجراءات الجزائية 1 "

رقم المساق: Law 355
عدد الساعات: 2 س م
المتطلب السابق: عقوبات خاص 2
توصيف المساق:

يتناول المساق التعريف بقانون الإجراءات الجزائية وفلسفته وأهدافه، والأنظمة المختلفة للإجراءات الجزائية، والتفريق بين النظامين الاتهامي والتنقيب والتحري، والدعاوى الناشئة عن الجريمة وأطرافها وقيود رفع الدعوى وانقضائها ، واختصاصات مأموري الضبط القضائي العادية والاستثنائية ، والضبط القضائي وجمع الاستدلالات ، والتحقيق المبدئي وخصائصه والاستجواب وأوامر التصرف في التحقيق الابتدائي والطعن فيه.

32-"مساق النظام الجزائي الاسلامي"

رقم المساق: Law 354
عدد الساعات: 2 س م
المتطلب السابق: عقوبات خاص (2)
توصيف المساق:

التعريف بالمبادئ العامة للعقوبات وأنواعها في الفقه الإسلامي مقارنة بين المذاهب الفقهية المختلفة وقانون دولة الإمارات العربية المتحدة، بتعريف الجناية في الفقه الإسلامي، ودراسة جرائم الاعتداء على الحق العام "الحدود" كحد الزنا والقذف شرب الخمر والردة والحرابة، والعقوبات المقرة لهذه الجرائم، وجرائم الاعتداء على الأشخاص مثل: القتل العمد والإيذاء والجرح العمد وعقوبات هذه الجرائم من قصاص أو دية، وجرائم التعازير وعقوباتها غير المقدرة، ونظام الإثبات في الفقه الجنائي الإسلامي من شهادة وإقرار في مختلف الجرائم.

33-مساق " قانون الإجراءات الجزائية 2 "

رقم المساق: Law 456
عدد الساعات: 2 س م
المتطلب السابق: إجراءات جزائية (1)
توصيف المساق:

يتناول المساق الجانب التطبيقي من الإجراءات الجزائية، وعلى وجه التحديد: المحاكمة وطرق الطعن في الأحكام، وأنواع المحاكم وتشكيلها واختصاصاتها، وإجراءات المحاكمة والمبادئ العامة للتحقيق النهائي، وأدلة الإثبات الجنائي، والإجراءات الخاصة ببعض المحاكمات والمتهمين، والحكم الجنائي: أنواعه المختلفة، وطرق الطعن في الأحكام والبطلان وإشكالات تنفيذ الأحكام.

34-مساق " القانون الدولي العام "

رقم المساق: Law 280
عدد الساعات: 3 س م
المتطلب السابق: مبادئ القانون الإداري
توصيف المساق:

يتناول المساق التعريف بالقانون الدولي العام ونشأته وطبيعته، وبيان مصادره وأشخاصه والعلاقة بينة وبين القانون الوطني وبقية فروع القانون الأخرى، ونشوء الدول والاعتراف بها وحقوقها وواجباتها، مبادئ الاختصاص ودراسة قانون البحار، وموضوع المسؤولية

الدولية وحقوق الإنسان واستعمال القوة ومراحل تطورها وتسوية المنازعات الدولية، والعلاقات الدبلوماسية والقنصلية والمنظمات الدولية.

35-مساق " مصطلحات وقراءات قانونية باللغة الانجليزية "

رقم المساق: Law 291
عدد الساعات: 3 س م
المتطلب السابق: قانون المعاملات المدنية (2)
توصيف المساق:

يتناول المساق التعريف ببعض المصطلحات القانونية بدءاً بمعنى كلمة القانون وفروع القانون العام والخاص ومصادر القانون وأهداف القانون وتطبيقات القانون، والتعريف بالدستور ونشأته وأنواعه وسمو الدستور ومبدأ الرقابة على دستورية القوانين، والنظم السياسية والسلطات الثلاث والمؤسسات الدستورية في الدولة كرئيس الدولة ومجلس الوزراء والبرلمان وغيرهم.

36-مساق " مبادئ علم الاقتصاد "

رقم المساق: Law 370
عدد الساعات: 3 س م
المتطلب السابق: قانون المعاملات المدنية (4)
توصيف المساق:

يتناول المساق التعريف بعلم الاقتصاد وعلاقته بالعلوم الأخرى، وأساليب التحليل الاقتصادي، والمشكلة الاقتصادية وعناصرها، وتطور النظم الاقتصادية، والتنمية الاقتصادية ومشكلاتها، والتحليل الاقتصادي الجزئي، والادخار والاستثمار في النظرية الاقتصادية، والعلاقات الاقتصادية الدولية.

37-مساق " التدريب العملي "

رقم المساق: Law 492
عدد الساعات: 3 س م
المتطلب السابق: إجراءات مدنية (3) قانون الإجراءات الجزائية (2) وأن يكون الطالب قد أنهى 100 ساعة دراسية معتمدة على الأقل.
توصيف المساق:

يتناول المساق تدريب الطالب عمليا على ما تم دراسته خاصة كيفية إجراء التحقيقات وكتابة المذكرات والاستشارات القانونية وصحف الدعاوى وصياغة العقود , والتدريب على المرافعات الشفوية من خلال محكمة تصويرية تعد لهذا الغرض , وزيارات خارجية للمحاكم والنيابات ومكاتب المحامين وشركات التأمين وغير ذلك.

توصيف مساقات التخصص الاختياري

مساق "حقوق الإنسان "

رقم المساق: Law 262
عدد الساعات: 3 س م
المتطلب السابق: القانون الدستوري
توصيف المساق:

يشمل هذا المساق التعريف بالحق وأقسامه، حقوق الإنسان، موقعها بين الحقوق الأخرى، مراحل تطورها ووسائل حمايتها في المواثيق الدولية والشريعة الإسلامية مع إشارة إلى هذه الحقوق في دستور دولة الإمارات العربية المتحدة.

مساق " العقود الإدارية "

رقم المساق: Law 263
عدد الساعات: 3 س م
المتطلب السابق: مبادئ القانون الإداري
توصيف المساق:

يتناول المساق دراسة نشأة العقود الإدارية وأنواعها ومعايير تميزها عن العقود الأخرى وكيفية إبرامها وأركان العقد الإداري وشروط صحته، والأحكام العامة في تنفيذ العقود الإدارية والتي تتجسد في "سلطات الإدارة تجاه المتعاقد بها - التزامات المتعاقد مع الإدارة - حقوق المتعاقد مع الإدارة "، وآثار العقود الإدارية بالنسبة للغير وتفسيرها وانقضائها، كما ويبحث المساق موضوع تفسير العقود الإدارية، وفي الختام يتطرق إلى نهاية العقود الإدارية.

مساق " المنظمات الدولية "

رقم المساق: Law 381
عدد الساعات: 3 س م
المتطلب السابق: القانون الدولي العام
توصيف المساق:

يتناول المساق بيان فكرة التنظيم الدولي ونشأة المنظمات الدولية وتطورها، وطبيعتها ووظائفها ونظامها القانوني وتمتعها بالشخصية القانونية وأحكام العضوية فيها، وحل المنظمة الدولية ومشكلات المسيرات الدولي، ودراسة بعض المنظمات الدولية كعصبة الأمم ومنظمة الأمم المتحدة والمنظمات الإقليمية.

مساق " المالية العامة والتشريع الضريبي "

رقم المساق: Law 471
عدد الساعات: 3 س م
المتطلب السابق: مبادئ علم الاقتصاد
توصيف المساق:

يتناول المساق دراسة القانون المالي من حيث مصادر إيرادات الدولة "الضرائب والقروض والرسوم والموارد الأخرى والمصروفات والنفقات العامة وآثارها المالية، والموازنة العامة للدولة، وكيفية ربطها وإصدارها والحساب الختامي وأنواع الموازنات العامة.

مساق " النظام القانوني للاستثمار "

رقم المساق: Law 426
عدد الساعات: 3 س م
المتطلب السابق: قانون المعاملات التجارية (2) و مبادئ علم الاقتصاد
توصيف المساق:

يتناول المساق النظام القانوني للاستثمار خاصة في البلدان العربية والمشاكل القانونية الخاصة بذلك ومدى كفاية الضمانات الموجودة حالياً للمستثمر وكيفية تعزيزها والاستفادة من صيغ حماية الاستثمار في البلدان المتقدمة.

مساق " النظام القانوني للأسواق المالية "

رقم المساق: Law 427
عدد الساعات: 3 س م
المتطلب السابق: مبادئ علم الاقتصاد
توصيف المساق:

يتناول المساق ماهية الأوراق المالية المتداولة وأنواعها وحقوق والتزامات طرفي العلاقة وواجب الإفصاح وبيان المعلومات الجوهرية المتعلقة بالأوراق والمركز القانوني لوسطاء السوق وأشكال ملكية الأوراق المالية، وأحكام تداولها في الأسواق المالية عموما وفي دولة الإمارات العربية خاصة، وهيئات الرقابة المختصة ودور إدارة السوق المالي ومسؤولياتهم مع الحرص على إجراء الدراسة المقارنة بالنظام القانوني بالأسواق المالية العربية في الأردن ودول ومجلس التعاون الخليجي ومصر.

مساق " مهارات التواصل باللغة الإنجليزية "

رقم المساق: ENG111
عدد الساعات: 3 س م
المتطلب السابق: مصطلحات وقراءات قانونية باللغة الإنجليزية
توصيف المساق:

الأسماء وأنواعها، الضمائر وأنواعها، الأفعال والأزمنة، أنواعها واستخداماتها، قراءة النصوص القصيرة، واستنتاج الفكرة الرئيسية، الأفعال والأزمنة - أنواعها واستخداماتها، قراءة النصوص القصيرة، واستخراج المعلومات منها.
بناء الجملة ومكوناتها، مهارات التقديم، الصفة والظرف، تقديم الطلبة لعرض حول موضوع محدد، (التعليم، حقوق الإنسان...) ومناقشة الأفكار المطروحة شفوياً، بناء المقطع، قراءة نصوص متنوعة الطول والموضوع واستخراج المعلومات منها، بناء المقالة (النص)، الاستماع لمحادثات قصيرة واستخراج المعلومات منها، مهارات المحادثة، الاستماع لمحادثات متنوعة الموضوع ومتفاوتة الطول واستخراج المعلومات منها، مهارات المحادثة والنقاش وإبداء الرأي.
الاستماع لمحادثات طويلة واستخراج المعلومات منها، جلسات حوار مفتوح يتم فيها طرح موضوع معين ويقوم الطلبة بمناقشته بين بعضهم البعض.

مساق " قانون حماية البيئة "

رقم المساق: Law 364
عدد الساعات: 3 س م
المتطلب السابق: عقوبات خاص (1)
توصيف المساق:

يتناول المساق دراسة نصوص القانون الاتحادي رقم (24) لسنة 1999 في شأن حماية البيئة وتنميتها، ولائحته التنفيذية الصادرة بقرار مجلس الوزراء رقم (37) لسنة 2001م، وذلك من حيث: بيان التأثير البيئي للمنشآت وخطط الطوارئ لمواجهة الكوارث البيئية، وحماية البيئة المائية والبحرية، والحماية من التلوث من المصادر البرية، وحماية مياه الشرب والمياه الجوفية، وحماية التربة، وحماية الهواء من التلوث وضمان التداول الآمن للمواد والنفايات الخطرة والمحميات الطبيعية، والمسؤولية والتعويض عن الأضرار البيئية.

مساق " علم الإجرام والعقاب "

رقم المساق: Law 357
عدد الساعات: 3 س م
المتطلب السابق: عقوبات خاص (1)
توصيف المساق:

يتناول المساق في جزئه الأول بيان أهمية علم الإجرام وتطوره ومفهومه وعلاقته بالعلوم الأخرى، ومحاور البحث في علم الإجرام ونطاقه ومنهج البحث فيه، وموضوع البحث في علم الإجرام (المجرم والجريمة)، والنظريات العلمية المختلفة في تفسير الظاهرة الإجرامية والسلوك الإجرامي. ويتناول الجزء الثاني دراسة علم العقاب وأهميته وموضوعه وتطور الفلسفة العقابية، وعلاقته ببعض فروع القانون الأخرى، وفكرة الجزاء الجنائي وأنواعه والمؤسسات العقابية وأنواعها، وطريقة وأسلوب المعاملة التي تطبق على المحكوم عليهم.

مساق " التشريعات الجزائية الخاصة "

رقم المساق: Law459
عدد الســـاعات: 3 س م
المتطلب السابق: قانون الإجراءات الجزائية (1)
توصيف المساق:

يتناول المساق دراسة الجرائم الدولية المنظمة وطرق محاكمة المجرمين الدوليين والمحاكم الدولية والجهات المختصة لتنفيذ تلك الأحكام. ونشأة الإنتربول الدولي وأحكامه وطرقه لتنفيذ الأحكام الدولية والجزائية عن طريق ذلك. وأهم أحكام المنشآت العقابية وطرق حمايتها قانونا وصلتها بالقوانين والمعاهدات الدولية ذات الصلة. وجرائم: المخدرات. وحيازة الأسلحة والذخائر. وغسيل الأموال. وجرائم الإرهاب. وأركان كل منها وعقوباتها. وقواعد حماية المستهلك جنائياً (يتم اختيار تشريع من التشريعات الجزائية الخاصة بناءً على اقتراح من قسم القانون العام وموافقة مجلس الكلية لتدريسه خلال العام الدراسي).

مساق " الجوانب القانونية للتجارة الالكترونية "

رقم المساق: Law 325
عدد الســـاعات: 3 س م
المتطلب السابق: قانون المعاملات المدنية (3) - وقانون المعاملات التجارية (2)
توصيف المساق:

يتناول المساق دراسة ملامح النظام القانوني للتجارة الإلكترونية ومستجداتها والمزايا والمشاكل المترتبة بموجبها. خاصة ما يتعلق بانعقاد العقود بوسائل الاتصال الحديثة والتوقيع عليها (التوقيع الإلكتروني) مع استعراض لبعض العقود المصرفية الخاصة بالتجارة الإلكترونية كبطاقات الائتمان. ودراسة النظام القانوني لها.

مساق " قانون المعاملات الرياضية "

رقم المساق: Law 309
عدد الســـاعات: 3 س م
المتطلب السابق: قانون المعاملات المدنية (3)
توصيف المساق:

يتناول المساق كل ما يتعلق بالجانب القانوني من الرياضة والمعاملات المالية التي تم بمناسبتها مع التأكيد على معنى الرياضة قانوناً. وضرورة قانون المعاملات الرياضية ودواعي استقلاله ومصادره والمنظمات الرياضية المختلفة الوطنية منها والدولية وما تقوم به من واجبات. والنظام القانوني للاعب المحترف والهـــاوي ودور وكلاء الرياضـة (وكيل المباريات ووكيل اللاعبين) والجمهور ومركزه القانوني وحكم المباراة وحقوقه والتزاماته والمنشطات الرياضية وآثارها والنظام القانوني للتأديب والقضاء الرياضي.

الإدارة العامة

رقم المساق: Law 265
عدد الســـاعات: 3 س م
المتطلب السابق: مبادئ القانون الإداري
توصيف المساق:

يهدف هذا المساق الى استعراض تطور وأهمية علم الادارة بشكل عام و الادارة العامة على وجه الخصوص .. كما سيتعرض المساق الى مفاهيم ونظم ادارية ذات صلة في الادارة العامة مثل: ادارة الجودة الشاملة. الادارة الاستراتيجية. الحوكمة. ادارة التغيير. ادارة الموارد البشرية. ادارة الأزمات. ادارة الوقت. الادارة العامة في دولة الامارات العربية المتحدة:

- واقع الادارة العامة. مبادرات التطوير
- الحكومة الالكترونية وتطبيقاتها

كلية الإعلام

رؤية الكلية:

نحو بيئة أكاديمية تحفز على الابداع لإعداد خريجين قادرين على المنافسة في سوق العمل في ضوء معايير الاعتماد الوطنية والدولية

رسالة الكلية:

إعداد خريجين متميزين في مجالات الاعلام قادرين على مواكبة أحدث التطورات والمستجدات التكنولوجية، يمتلكون مهارات الممارسة المهنية بمستوى عال من الجودة لتحقيق معايير الاعتماد الوطنية ، وإجراء البحوث العلمية التي تخدم قضايا المجتمع وتحقق التنمية المستدامة.

الأهداف:

- اكساب الخريجين مهارات عملية ونوعية قادرة على المنافسة.
- تحقيق التميز الأكاديمي وفق معايير الاعتماد الوطنية في كافة التخصصات
- أن تكون الكلية هي النافذة التي تطل منها الجامعة على المجتمع والعكس
- أن تكون كلية الإعلام بيتاً للخبرة ومركزاً للاستشارات والتدريب

المرافق

المصادر التعليمية التكنولوجية:

في إطار توفير وتهيئة البيئة المواتية والمتوافقة للتحصيل العلمي والمتوافق مع المعايير المعتمدة لدى هيئة الاعتماد الأكاديمي والاستراتيجيات التربوية، عملت الجامعة على توفير القاعات الدراسية المناسبة المزودة بكافة الأجهزة التي تحتاجها العملية التعليمية، مثل نظام التعليم الإلكتروني (مودل Moodle) وأجهزة العرض الـData Show، Smart-Board، وإتاحة التواصل عبر الشبكة الإلكترونية، مما يساعد في عرض التجارب والمواد العملية خلال عملية التدريس في القاعات وخارجها.

المختبرات:

تراعي الكلية - ضمن خطتها التطويرية المستمرة- عملية دعم المختبرات وجعلها متسقة مع المعايير المطلوبة في هذا الشأن، وتضم أحدث الأجهزة والبرمجيات. وتضم الكلية مختبرين للماكنتوش ومختبرين للوسائط المتعددة.

الاستديوهات:

تضم الكلية:

1. استوديو التصوير الرقمي الفوتوغرافي:

استوديو التصوير الرقمي الفوتوغرافي للطلاب، وآخر للطالبات، ضمن تخصص التصميم الجرافيكي، ويستخدم في تعريف الطلبة بالأدوات والخامات المستخدمة والأساليب المختلفة للتصوير الرقمي، من خلال تمارين عدة يمارس الطلبة فيها تجارب لتصوير موضوعات متنوعة.

2. أستوديوهات الإذاعة والتلفزيون

استوديو التصوير الإذاعي والتليفزيوني (1):

الاستوديو الإذاعي والتليفزيوني (2):

تم إنشاء هذا الاستديو وتصميمه على النظام الرقمي عالي الجودة (HD)؛ حتى يواكب عملية تدريب الطلبة لمواكبة التطور الكبير والتحولات التي تشهدها مجالات الإعلام المسموع والمرئي، وقد تم تزويد الاستوديو بأحدث أنواع الكاميرات الرقمية للتصوير التليفزيوني والأجهزة المستخدمة في عملية إنتاج برامج الإذاعة والتليفزيونية، وضمانًا للسلامة فقد زود الاستديو بنظام آلي لإطفاء الحرائق، ضمن الإطار العام للمبنى J2، ووفقًا لمتطلبات الدفاع المدني.

المرسم:

تم إنشاء مرسم لطلبة تخصص التصميم الجرافيكي، ويستخدم في تعريف الطلبة بالأدوات والخامات المستخدمة والأساليب المختلفة للرسم، من خلال تمارين عدة يمارس الطلبة فيها تجارب المحاكاة للأشكال المتعددة بخامات مختلفة.
كما يتيح للطلبة إدراك العلاقات التشكيلية بين العناصر بعضها ببعض، والملامس المختلفة والظل والنور عن طريق معرفة الهيئة للتصميم، وتأكيد عنصر التكوين، ومفهوم الحلول التصميمية، وذلك برسم عناصر هندسية بسيطة، وينتهي بالمحاكاة من خلال رسم الطبيعة الصامتة. ويخدم هذا المرسم العديد من المساقات مثل الرسوم المعلوماتية وغيرها.

مطبعة:

هدفت فكرتها إلى تقديم خدمات طلابية من إنتاج وطباعة جميع أعمال الطلبة على مستوى المساقات ومشاريع التخرج كما تم التخطيط لأن تكون المطبعة مركزاً لتدريب الطلبة من تخصص التصميم الجرافيكي، وقد تم تطوير المطبعة وتزويدها بالأجهزة والمتطلبات اللازمة لتسد حاجة الجامعة من جميع المطبوعات.

التدريب

مقدمة:

يعد التدريب ثمرة للجهد الأكاديمي الذي يتم استثماره في سوق العمل لخدمة المجتمع، ويمثل التدريب العملي في كلية الإعلام إضافة مهمة للبرنامج الأكاديمي لطلبة الكلية من خال كسر الحاجز بين المجتمع الأكاديمي ومجتمع الفعاليات أو إتاحة الفرص للطلاب والطالبات بالانفتاح على سوق العمل أثناء الدراسة.

ويتيح التدريب للطالب الحصول على مهارات عملية في- :الصحافة المطبوعة والإلكترونية -الإذاعة والتلفزيون - العلاقات العامة والإعلان-التصميم الجرافيكي.

أهداف التدريب

- تأهيل الطلبة لولوج سوق العمل من خلل المعرفة المباشرة ألهداف ووظائف المؤسسة وأقسامها التنظيمية، والتعرف على المستجدات التكنولوجية بصورة عملية.
- تطبيق ما حصل عليه الطالب من معارف ومداخل نظرية في مجال تخصصه ميدانياً.
- الحصول على خريج متدرب ذي صفات ومهارات مهنية عالية وخبرات عملية تتواكب مع مستجدات العصر.

2. خطوات ومراحل التدريب:

- يدخل مساق التدريب ضمن المساقات التي يدرسها الطالب في الفصل الدراسي(الأول أو الثاني، بعد أن يكون الطالب قد انتهى من دراسة نسبة معينة من عدد الساعات ومواد التخصص تؤهله لولوج المجتمع الخارجي لكي يبدأ في التدريب.
- بعد إنجاز الطالب لـ 90 ساعة معتمدة، يبدأ التدريب الخارجي في المؤسسات العاملة داخل الدولة وخارجها ويستمر شهر ونصف لمدة 6 أسابيع(كل أسبوع 4 ساعات ×5أيام) بإجمالي من الساعات 120 ساعة) وتحتسب 3 ساعة معتمدة.

- يلغى تدريب الطالب الذي تجاوز نسبة الغياب 25% أو الذي لم يلتزم بالخطة التدريبية الموضوعة، شريطة أن يؤكد ذلك المشرف الميداني في التقرير الذي يقدمه للمشرف الأكاديمي.

3. الخطوات التنفيذية للتدريب:

- وضع الإعلان الخاص بالتسجيل لكل فصل دراسي على حده.
- يتم تسجيل الطلبة من خال البرنامج الخاص بالمركز خلال الفترة المحددة للتسجيل(متضمنة أماكن التدريب ورسوم التسجيل).
- التواصل مع جهات التدريب والتأكد من موافقتها.
- وضع الجداول النهائية للمتدربين(متضمنة معلومات عن الطالب ومعلومات عن المؤسسة التي سيتدرب بها) وارسال نسخة منها للكلية وأخرى للقبول والتسجيل(قبل بدء التدريب).
- اعداد الاستبانات الخاصة بتقييم أداء المركز وتقييم الطالب وتجميعها أو إرسالها للجهات المختصة
- ترسل الخطة التدريبية الخاصة بالطالب خال فترة التدريب والتي وضعها مجلس القسم متضمنة أهداف التدريب وبما يتناسب مع كل تخصص على حدة أو إرسالها إلى جهة التدريب لتكييفها وفقاً لإمكانيات المؤسسة.
- تقوم الكلية بدراسة بحثية لضمان جودة العملية التدريبية في المؤسسات والوزارات والهيئات بما يتضمن الجوانب التالية:
- دراسة الاحتياجات التي بتطلبها سوق العمل ومدى تطابقها مع المنهج الدراسي العلمي والتكنولوجي الذي يدرسه الطالب.
- اختيار الوزارات والمؤسسات والشركات ذات السمعة الجيدة في التدريب والتي يمكن أن يتدرب فيها الطاب بحيث تتناسب طبيعة عملها مع التخصصات المختلفة لكل كلية على حدى.

4. محتويات تقرير الطالب المتدرب

يجب أن يتناول تقرير الطالب الذي يقدمه عن برنامج تدريبه المحتويات الآتية:

- نبذة مختصرة عن المكان الذي تدرب فيه الطالب.
- توضيح المجال الذي تدرب فيه الطالب (علاقات عامة، إذاعة وتلفزيون، صحافة، تصميم جرافيكي)
- توضيح الأعمال و المهام التي قام بها الطالب أثناء التدريب و انجزها فعلً مثل (التقارير، الأخبار، الملفات، الصور، الأفلام، التصاميم... الخ. على أن تُوزع هذه الأعمال والمهام على عدد أسابيع التدريب)
- الإنجازات أو المبادرات التي أضافها الطالب إلى جهة التدريب (إن وُجدت).
- توضيح الفوائد والخبرات التي اكتسبها الطالب المتدرب من التدريب والصعوبات التي واجهته.

5. أسس تقييم التدريب

- يقوم الطالب بتعبئة نموذج التقويم والذي يهدف إلى معرفة وجهة نظر الطالب في التدريب من حيث التنظيم والجدوى والإيجابيات والسلبيات بهدف التطوير المستمر لعملية التدريب والتغلب على السلبيات.
- يقوم المشرف الأكاديمي بتقييم التدريب بهدف الوقوف على إيجابيات وسلبيات وجدوى عملية التدريب بهدف قياسها وتقديمها وتطويرها المستمر.
- يقوم المشرف الميداني وارباب العمل بتقييم عملية التدريب بهدف معرفة أراءهم في مستوى الطلبة المتدربين ومهاراتهم ومعدلات أدائهم أثناء فترة التدريب واقتراحاتهم لتحسين وتطوير عملية التدريب.

6. توزيع درجات التقييم:

نظام التقديرات	تكون درجات المساق على النحو التالي
F	أقل من 60
D	من 60 إلى 64
D+	من 65 إلى 69
C	من 70 إلى 74
C+	من 75 إلى 79
B	من 80 إلى 84
B+	من 85 إلى 89
A	من 90 إلى100

تقييم المشرف الأكاديمي للطالب

يمنح المشرف الأكاديمي 70% من درجة المساق للطالب بعد تقييمه.

تقييم المشرف الميداني للطالب

يمنح المشرف الميداني 30% من درجة المساق للطالب بعد تقييمه.

7. مهام المشرف الأكاديمي:

- يكلف المشرف الميداني بمتابعة مجموعة من الطلبة المتدربين في المؤسسات المختلفة. يكون المشرف الأكاديمي حلقة الوصل بين الكلية والمؤسسة وتتحدد مسئولية المشرف الأكاديمي بالمهام الأتية:
- متابعة الطلبة المتدربين في المؤسسات من خال الزيارات الميدانية والتنسيق مع المشرف الميداني في مؤسسة التدريب.
- الإشراف على تقييم مستوى التدريب في المؤسسة التي يتدرب بها الطالب.
- كتابة تقرير تفصيلي عن تدريب الطالب في نهاية فترة التدريب. يوضح فيه مدى الاستفادة التي حققها الطالب في المؤسسة.
- -تحديد موعد مناقشة تقرير الطالب المتدرب خال المدة التي تحددها لجنة التدريب في الكلية.
- -إعداد ملف تدريب لكل طالب متخرج يشتمل على كافة الضوابط التي تحددها لجنة التدريب في القسم وفقا لمتطلبات معايير الجودة والاعتماد الأكاديمي.
- وتسلم الملفات في نهاية التدريب إلى لجنة التدريب.

ملاحظات:

في حال متابعة الطالب خارج الدولة يتم استخدام البريد الإلكتروني أو الهاتف أو الفاكس أو الوسائط المتعددة بالإضافة إلى التقرير الأسبوعي.

8. مهام المشرف الميداني:

يتولى المشرف الميداني مهمة تدريب الطلبة في المجالات العلمية. ويتحمل المسئولية عن جودة المهارات الفنية التي تؤهل الطالب لسوق العمل في مجال تخصصه. كما يتولى مهمة تقييم الطالب الخريج من 30% من الدرجة الكلية التي

يحصل عليها الطالب الخريج في مساق التدريب الميداني. ويقوم باعتماد التقرير الأسبوعي الذي يملأه الطالب، وفقاً للمهام الموكلة من خال الخطة الموضوعة.

9. إجراءات التسجيل والتدريب:

- التقدم بطلب التدريب

يقوم الطالب بتعبئة النموذج المخصص للتدريب، إلكترونياً، واعتماده من المرشد الأكاديمي في الوقت المخصص للتسجيل.

- التسجيل في مساق التدريب

بعد موافقة المرشد الأكاديمي يتم التسجيل للطالب.

البرامج المطروحة

برنامج بكالوريوس الآداب في الإعلام

المقدمة

بدأ برنامج بكالوريوس الآداب في الإعلام في الفصل الدراسي الثاني من العام الجامعي 2008 ـ 2009 كأحد البرامج العلمية في كلية الإعلام في جامعة عجمان. وقد أطلق البرنامج بناء على التصريح المبدئي في هذا الشأن من هيئة الاعتماد الأكاديمي التابعة لوزارة التربية والتعليم في دولة الإمارات العربية المتحدة.

وفي إطار تطوير البرنامج بما يتماشى مع المعايير الحديثة والممارسات الجيدة المطبقة عالمياً والتي تشير إلى أهمية توسيع القاعدة المعرفية والثقافية العامة لطالب الإعلام، وبناء على توجيهات هيئة الاعتماد الأكاديمي بوزارة التربية والتعليم بمراعاة ألا تزيد نسبة الساعات المعتمدة المخصصة للمساقات التخصصية عن 40% من إجمالي الساعات المعتمدة للبرنامج فقد قامت الكلية بمراجعة البرنامج وإعداده بما يتلاءم مع المعايير السابق ذكرها؛ وذلك للحصول على الاعتماد النهائي للبرنامج.

رسالة البرنامج

توفير تعليم وتأهيل أكاديمي إعلامي رصين باللغة العربية في مسارات (الصحافة المطبوعة والإلكترونية والعلاقات العامة والإعلان والإذاعة والتلفزيون والتصميم الجرافيكي) بما يتماشى مع أرفع المعايير الدولية بهدف إعداد أجيال من القائمين بالاتصال قادرين على مواكبة أحدث التطورات والمستجدات التكنولوجية في مجالات الإعلام والاتصال بمستوى عال من الجودة والكفاءة والاحترافية.

أهداف البرنامج:

- تقديم أهم وأحدث المعارف النظرية في المسارات الأربعة للبرنامج (الصحافة المطبوعة والإلكترونية - العلاقات العامة والإعلان- الإذاعة والتلفزيون - التصميم الجرافيكي) من أجل تزويد الدارس بخلفية معرفية قوية وحديثة تمكنه من معرفة الجانب النظري وإتقان الممارسة العملية.

- تزويد الطلبة بالمهارات التطبيقية اللازمة لإنتاج مختلف المواد والبرامج الإعلامية في المسارات الأربعة للبرنامج، باستخدام أستوديو ومختبرات الكلية أو خلال فترة التدريب الميداني.

- الارتقاء بمستوى الأداء الإعلامي الملتزم بالتشريعات والأخلاقيات، وتعزيز دور الإعلام في تنمية وخدمة المجتمع.

- تنمية التفكير النقدي والإبداعي والقدرة على تقييم بيئة عمل وسائل الإعلام المحلية والإقليمية والدولية.

- تعزيز مهارات وأساليب البحث الإعلامي التي تمكن الخرجين من العمل بمراكز البحوث أو مواصلة الدراسات العليا.

شروط القبول

أن يكون الطالب حاصلا على شهادة الثانوية العامة من دولة الإمارات العربية المتحدة(قسم علمي أو أدبي) أو ما يعادلها بمعدل لا يقل عن 60%.

اجتياز اختبار اللغة الإنجليزية توفل (Toefl) بمعدل 450 درجة أو ما يعادلها.

متطلبات التخرج:

لإتمام البرنامج بنجاح على الطالب:

انجاز كل المساقات المطلوبة للتخصص الرئيس.

الحصول على معدل تراكمي (2.0) أو أكثر.

فرص العمل:

- الصحف
- الإذاعة والتلفزيون
- المؤسسات المختلفة الأخرى للإنتاج الإعلامي
- إدارات الإعلام والاتصال والعلاقات العامة في المؤسسات العامة والخاصة
- وزارات الدولة.

مخرجات البرنامج وفقًا لإطار المؤهلات في دولة الإمارات العربية المتحدة (Emirates QF)

بعد استكمال هذا البرنامج بنجاح يكون الخريج قادرًا على أن:

المعرفة:

مخرج البرنامج 1: يبين المفاهيم والمبادئ الأساسية في التخصصات الإعلامية المختلفة التي درسها.

مخرج البرنامج 2: يقارن المعارف العلمية بالخلفيات النظرية المشتركة.

مخرج البرنامج 3: يربط بين المعارف التي يكتسبها والاتجاهات الحديثة في إعداد مختلف المواد الإعلامية.

مخرج البرنامج 4: يتعرف إلى عناصر وتطبيقات واستراتيجيات التفكير الابتكاري.

المهارة:

مخرج البرنامج 5: يوظف المهارات التحليلية والعملية في إعداد وتصميم وإنتاج الرسالة الإعلامية.

مخرج البرنامج 6: يُقيِّم الأساليب المستخدمة في تناول القضايا الإعلامية.

مخرج البرنامج 7: يقارن بين المنظمات الإقليمية والدولية ويقيم أدوارها في النطاق الإقليمي والدولي.

أوجه الكفاءة

الاستقلالية والمسؤولية:

مخرج البرنامج 8: يلتزم بالمعايير الأخلاقية والضوابط المهنية خلال ممارسته للعمل الإعلامي.

مخرج البرنامج 9: يحدد الجوانب القانونية والدستورية التي تنظم مبادئ حقوق الإنسان.

الدور في السياق:

مخرج البرنامج 10: يساهم بإيجابية في إنجاز المشروعات الإعلامية بصورة متقنة ضمن فرق العمل الإعلامية.

مخرج البرنامج 11: يتحمل المسؤولية في قيادة المجموعة واتخاذ قرارات مبتكرة؛ لإيجاد حلول في المواقف المهنية المختلفة.

مخرج البرنامج 12: يكتسب المعارف المرتبطة بالظواهر الاجتماعية الجديدة وكيفية التعامل معها.

التطور الذاتي

مخرج البرنامج 13: يعدّ وينتج مادة إعلامية مختلفة بفاعلية ضمن الفريق الواحد.

مخرج البرنامج 14: يُقيِّم ذاته وممارساته الإعلامية، ويكتسب مهارات جديدة، ويعمل على تطويرها.

مخرج البرنامج 15: يُقيِّم الممارسات الإعلامية المستخدمة عبر وسائل الإعلام التقليدية والجديدة.

الخطة الدراسية لبرنامج بكالوريوس الآداب في الإعلام

مجموع المساقات والساعات المعتمدة(126 ساعة)

م	المساقات	الإجبارية	الاختيارية	الحرة	عدد المساقات	عدد الساعات
1	برامج الدراسات العامة	5	3	-	8	24
2	المساقات الحرة	-	-	2	2	6
3	المتطلبات المساندة	15	-	-	15	45
4	متطلبات القسم	6	-	-	6	18
5	متطلبات التخصص الرئيسي	9	2	-	11	33
	المجموع	35	5	2	42	126

أولا: متطلبات الجامعة الإجبارية (5 مساقات، 15 ساعة معتمدة)

م	رقم المساق	المساق	
1	ISL114	Islamic culture	الثقافة الإسلامية
2	ARB111	Communication Skills in Arabic	مهارات الاتصال باللغة العربية
3	STA111	Statistics	الإحصاء
4	COM111	Computer Applications / IT Fundamentals	تطبيقات في الحاسوب
5	INN311	Innovation & Entrepreneurship	الابتكار وريادة الأعمال

ثانيا: متطلبات الجامعة الاختيارية (3 مساقات، 9 ساعة معتمدة) على الطالب أن يختار مساقاً واحداً من المجموعات المذكورة أدناه

مجموعة العلوم الإنسانية والأدبية

م	رقم المساق		المساق
1	ARB113	فن الكتابة و التعبير (عربي)	The Art of Written Expression (Arabic)
2	ARC211	مبادئ العمارة والفنون	Principles of Architecture & Art
3	ART111	مقدمة في الفن	Introduction to Art
4	ART112	مقدمة في علم الجمال	Intro. to Aesthetics
5	ART211	مقدمة للتصوير الرقمي	Introduction to Digital Photography
6	ETH111	مبادئ الأخلاق	Principles of Ethics
7	FRE211	اللغة الفرنسية	French Language
8	LAW111	ثقافة قانونية	Legal Culture
9	ENG113	الكتابة الأكاديمية (الإنجليزية)	Academic Writing (English)
10	ISL211	مقدمة في الحديث والسنة	Introduction to Hadeeth and Sunna

مجموعة العلوم الطبيعية، العلوم التطبيقية، الرياضيات و تكنولوجيا المعلومات

م	رقم المساق		المساق
1	AID111	الإسعافات الأولية	First Aid
2	AST211	علم الفلك (عربي)	Astronomy (Arabic)
3	BIO111	علم الأحياء العام	General Biology
4	CHM111	الكيمياء العامة	General Chemistry
5	EDT211	تكنولوجيا التعليم	Education Technology

6	ENG112	الكتابة التقنية	Technical Writing
7	GIS211	تطبيقات الاستشعار عن بعد ونظم المعلومات الجغرافية	Applications of Remote Sensing & GIS
8	INF212	نظام المعلومات (العربية)	Information System (Arabic)
9	INT211	مفاهيم الإنترنت	Internet Concepts
10	ISH111	تاريخ العلوم عند المسلمين	History of Science in Islam
11	ISL113	الإعجاز العلمي في القرآن والسنة	The Miraculousness of the Holy Koran & Sunna
12	NUT111	أساسية التغذية البشرية	Fundamental of Human Nutrition
13	ORH211	صحة الفم	Oral Health
14	PHY111	فيزياء	Physics
15	PIO211	الريادة العلمية	Scientific Pioneering
16	RES211	طرائق البحث العلمي	Research Methodology
17	SOC211	التكنولوجيا الحديثة والمجتمع	Modern Technology & Society
18	ENV111	علوم بيئية	Environmental Science
19	MTH111	مبدأ الرياضيات	Principle of Mathematics

مجموعة العلوم الاجتماعية والسلوكية

م	رقم المساق	المساق	
1	EMS111	مجتمع الإمارات	Emirates Society
2	ENG111	مهارات الاتصال باللغة الإنجليزية	English Communication Skills
3	ENT211	تطوير ريادة الأعمال	Entrepreneurship Development
4	INF111	معرفة المعلومات	Information Literacy
5	INF112	ثقافة إعلامية	Media Culture
6	INF211	مجتمع المعلومات	Information Society
7	PSY111	علم النفس العام	General Psychology
8	SOC111	مقدمة في علم اجتماع الاتصالات	Introduction to Communication Sociology
9	SOC113	نظام الأسرة	Family System
10	THI211	التفكير الناقد	Critical Thinking
11	INF113	نظام معلومات المكتبة	Library Information System
12	SOC112	التواصل بين الثقافات	Communication Between Cultures
13	ECO211	المفاهيم الاقتصادية	Economic Concepts

ثالثا: متطلبات حرة (مساقين، 6 ساعات معتمدة)

يختار الطالب مساقين من الجامعة أو الكلية في غير تخصصه

م	رقم المساق	المساق	
1			
2			

رابعا: المتطلبات المساندة (15مساق ،45 ساعة معتمدة)

م	رقم المساق	المساق		الساعات المعتمدة		
				نظري	عملي	المجموع
1	DES101	Principles of Economics	مبادئ علم الاقتصاد	3	0	3
2	DES102	Multimedia	الوسائط المتعددة	2	2	3
3	DES103	Study Skills in English	مهارات التعلم باللغة الإنجليزية	3	0	3
4	DES204	Current Emirati Society	مجتمع الإمارات حديثا	3	0	3
5	DES205	Digital Photography	التصوير الرقمي	2	2	3
6	DOS206	Communication Skills in English	مهارات الاتصال باللغة الانجليزية	3	0	3
7	DES207	Information Society	مجتمع المعلومات	3	0	3
8	DES308	Modern & Contemporary Arabic Literature	الأدب العربي الحديث والمعاصر	3	0	3
9	DES309	Web Design	تصميم مواقع شبكة الانترنت	2	2	3
10	DES310	Human Rights in the Modern Time	حقوق الإنسان في العصر الحديث	3	0	3
11	DES311	Public Opinion	الرأي العام	3	0	3
12	DES312	Regional & International Organizations	المنظمات الإقليمية والدولية	3	0	3
13	DES413	Critical & Creative Thinking	التفكير الناقد والابتكاري	3	0	3
14	DES414	Research Methods & Techniques	مناهج و طرق البحث	3	0	3
15	DES415	Social Psychology	علم النفس الاجتماعي	3	0	3

خامساً: متطلبات القسم (6 مساقات 18 ساعة معتمدة)

م	رقم المساق	المساق		الساعات المعتمدة			المتطلب السابق
				نظري	عملي	المجموع	
1	DER116	Introduction to Electronic & Printed Journalism	مدخل إلى الصحافة المطبوعة والإلكترونية	3	0	3	-
2	DER117	Introduction to Radio & TV	مدخل إلى الإذاعة والتليفزيون	3	0	3	-
3	DER118	Introduction to Public Relations & Advertising	مدخل إلى العلاقات العامة والإعلان	3	0	3	-
4	DER119	Introduction to Graphic Design	مدخل إلى التصميم الجرافيكي	1	4	3	-
5	DER321	Communication Theories	نظريات الاتصال	3	0	3	-
6	DER420	Media Laws & Ethics	أخلاقيات الإعلام وتشريعاته	3	0	3	-

سادسا: تخصص الصحافة المطبوعة والالكترونية

أ - متطلبات التخصص الإجبارية (9 مساقات،27 ساعة معتمدة)

م	رقم المساق	المساق		الساعات المعتمدة			المتطلب السابق
				نظري	عملي	المجموع	
1	PEJ122	Journalistic Writing (1)	الكتابة الصحفية (1)	2	2	3	DER116
2	PEJ223	Journalistic Writing (2)	الكتابة الصحفية (2)	2	2	3	PEJ122
3	PEJ224	Journalistic Photography	التصوير الصحفي	1	4	3	-
4	PEJ225	Journalistic Translation	الترجمة الصحفية	3	0	3	-
5	PEJ226	Press Layout and Design(1)	الإخراج الصحفي (1)	1	4	3	PEJ122
6	PEJ327	Online Journalism	صحافة الانترنت	1	4	3	
7	PEJ328	Specialized Journalism	الصحافة المتخصصة	3	0	3	PEJ122
8	PEJ429	Training in Printed and Electronic Journalism	التدريب الميداني في الصحافة المطبوعة والالكترونية	0	6	3	إنجاز 90 س م Pass 90 Cr. Hrs.
9	PEJ430	Graduation Project in Printed and Electronic Journalism	مشروع التخرج في الصحافة المطبوعة والإلكترونية	0	6	3	إنجاز 105 س م Pass 105 Cr. Hrs.

ب- متطلبات التخصص الاختيارية (مساقان، 6 ساعة معتمدة)

م	رقم المساق	المساق		الساعات المعتمدة			المتطلب السابق
				نظري	عملي	المجموع	
1	PEJ231	Journalistic Layout and Design (2)	الإخراج الصحفي (2)	2	2	3	-
2	PEJ132	Journalistic Uses of the Internet (in English)	الاستخدامات الصحفية لشبكة الانترنت (باللغة الإنجليزية)	3	0	3	-
3	PEJ233	Literary and Art Criticism	النقد الأدبي والفني	3	0	3	-
4	PEJ334	Designing Media Web Sites	تصميم المواقع الإعلامية	1	4	3	-
5	PEJ235	Management & Economies of Printed and Electronic Newspapers	إدارة الصحف المطبوعة والإلكترونية واقتصادياتها	3	0	3	-
6	PEJ336	Investigative Journalism	الصحافة الاستقصائية	3	0	3	-
7	PEJ137	Arabic and International Journalism	الصحافة العربية والدولية	3	0	3	-
8	GRD375	Infographics	الرسوم المعلوماتية	2	2	3	-

سابعا: تخصص الإذاعة والتليفزيون

أ - متطلبات التخصص الإجبارية (9 مساقات،27 ساعة معتمدة)

م	رقم المساق	المساق		الساعات المعتمدة			المتطلب السابق
				نظري	عملي	المجموع	
1	RTV138	Radio & TV Production 1	الإنتاج الإذاعي والتليفزيوني 1	1	4	3	DER117
2	RTV239	Radio & TV Production 2	الإنتاج الإذاعي والتليفزيوني 2	1	4	3	RTV138
3	RTV240	Broadcasting News	الخبر الإذاعي والتليفزيوني	2	2	3	-
4	RTV241	Presentation & Delivery	التقديم والإلقاء	2	2	3	-
5	ERV242	Specialized Programs & Channels	البرامج والقنوات المتخصصة	3	0	3	-
6	ERV343	Documentary Programs	البرامج الوثائقية	2	2	3	RTV138
7	RTV344	New Trends in Radio & TV	الاتجاهات الحديثة في الإذاعة والتليفزيون	3	0	3	-
8	RTV445	Training in Radio & TV	التدريب الميداني في الإذاعة والتليفزيون	0	6	3	إنجاز 90 س م Pass 90 Cr. Hrs.
9	RTV446	Graduation Project in Radio & TV	مشروع التخرج في الإذاعة والتليفزيون	0	6	3	إنجاز 105 س م Pass 105 Cr. Hrs.

ب - متطلبات التخصص الاختيارية (مساقان، 6 ساعة معتمدة)

م	رقم المساق	المساق		الساعات المعتمدة			المتطلب السابق
				نظري	عملي	المجموع	
1	RTV147	Broadcast Criticism	النقد الإذاعي والتليفزيوني	3	0	3	-
2	RTV448	Radio & TV Drama	الدراما الإذاعية والتليفزيونية	3	0	3	-
3	RTV249	Radio & TV Advertising	الإعلان الإذاعي والتليفزيوني	2	2	3	-
4	RTV350	TV Journalism	الصحافة التليفزيونية	3	0	3	- -
5	RTV451	Programs & Campaigns Planning in Radio & TV	تخطيط البرامج والحملات في الإذاعة والتليفزيون	3	0	3	-
6	RTV352	Online Radio & TV Broadcasting (in English)	البث الإذاعي والتليفزيوني عبر الإنترنت (باللغة الإنجليزية)	3	0	3	-
7	RTV453	Special Topic in Radio & TV	موضوع خاص في الإذاعة والتليفزيون	3	0	3	-
8	RTV254	Effective Communication Skills	مهارات الاتصال الفعّال	3	0	3	-

ثامنا تخصص العلاقات العامة والإعلان

أ - متطلبات التخصص الإجبارية (9 مساقات،27 ساعة معتمدة)

م	رقم المساق	المساق		الساعات المعتمدة			المتطلب السابق
				نظري	عملي	المجموع	
1	PRA155	Management of Public Relations and Advertising	إدارة العلاقات العامة والإعلان	3	0	3	DER118
2	PRA256	Advertising Strategies	استراتيجيات الإعلان	3	0	3	DER118
3	PRA257	Protocol and Etiquette	البروتوكول والإتيكيت	2	2	3	-
4	PRA258	Integrated Marketing Communications	الاتصالات التسويقية المتكاملة	3	0	3	DER118
5	PRA259	Writing for Public Relations & Advertising	الكتابة للعلاقات العامة والإعلان	2	2	3	-
6	PRA360	Media Production for Public Relations	إنتاج مواد العلاقات العامة	2	2	3	PRA259
7	PRA361	Communication & Advertising Campaigns	تخطيط الحملات الإعلامية والإعلانية	3	0	3	DER118
8	PRA462	Training in Public Relations and Advertising	التدريب الميداني في العلاقات العامة والإعلان	0	6	3	إنجاز 90 س م Pass 90 Cr. Hrs.
9	PRA463	Graduation Project in Public Relations and Advertising	مشروع التخرج في العلاقات العامة والإعلان	0	6	3	إنجاز 105 س م Pass 105 Cr. Hrs.

ب - متطلبات التخصص الاختيارية (مساقان، 6 ساعة معتمدة)

م	رقم المساق	المساق		الساعات المعتمدة			المتطلب السابق
				نظري	عملي	المجموع	
1	PRA264	Organizational Communication	الاتصال المؤسسي	3	0	3	-
2	PRA265	Crisis Communication	اتصالات الأزمة	3	0	3	-
3	PRA366	Online Public Relations & Advertising	العلاقات العامة والإعلان عبر الإنترنت	3	0	3	-
4	PRA367	Applied Public Relations (in English)	العلاقات العامة في المجال التطبيقي (باللغة الإنجليزية)	3	0	3	-
5	PRA268	Organizing of Activities and Special Events	تنظيم الفعاليات والأحداث الخاصة	3	0	3	-
6	RTV249	Radio & Television Advertising	الإعلان الإذاعي والتلفزيوني	2	2	3	-
7	RTV254	Effective Communication Skills	مهارات الاتصال الفعّال	3	0	3	-
8	GRD272	Graphics for Print Media	الجرافيك لوسائل الإعلام المطبوعة	1	4	3	-

تاسعا: تخصص التصميم الجرافيكي

أ - متطلبات التخصص الإجبارية (9 مساقات،27 ساعة معتمدة)

م	رقم المساق	المساق		الساعات المعتمدة			المتطلب السابق
				نظري	عملي	المجموع	
1	GRD169	Principles of Drawing	مبادئ الرسم	1	4	3	DER119
2	GRD270	Virtual Reality Theories and 3D Design	نظريات الواقع الافتراضي والتصميم ثلاثي الأبعاد	2	2	3	DER119
3	GRD271	Brand and Logo Design	تصميم العلامة التجارية والشعار	1	4	3	GRD169
4	GRD272	Print Media Design	الجرافيك لوسائل الإعلام المطبوعة	1	4	3	GRD271
5	GRD273	Interactive Multimedia Design	تصميم الوسائط التفاعلية	1	4	3	DER119
6	GRD374	Social Websites and Smart Applications	المواقع الاجتماعية والتطبيقات الذكية	2	2	3	GRD273
7	GRD375	Infographics	الرسوم المعلوماتية	2	2	3	GRD169
8	GRD476	Training in Graphic Design	التدريب الميداني في التصميم الجرافيكي	0	6	3	إنجاز 90 س م Pass 90 Cr. Hrs.
9	GRD477	Graduation Project in Graphic Design	مشروع التخرج في التصميم الجرافيكي	0	6	3	إنجاز 105 س م Pass 105 Cr. Hrs.

ب - متطلبات التخصص الاختيارية (مساقان، 6 ساعة معتمدة

م	رقم المساق	المساق		الساعات المعتمدة			المتطلب السابق
				نظري	عملي	المجموع	
1	GRD378	Animation	الرسوم المتحركة	1	4	3	-
2	GRD479	Special Topic in Graphic Design	موضوع خاص في تصميم الجرافيك	2	2	3	-
3	GRD180	Colour Theory and Applications	نظرية اللون وتطبيقاتها	2	2	3	-
4	GRD481	Design & Packaging	التصميم والتغليف	2	2	3	-
5	GRD482	Techniques & Materials (in English)	تقنيات وخامات (باللغة الإنجليزية)	2	2	3	-
6	GRD283	Typography	التصميم الجرافيكي للكتابات	2	2	3	-
7	GRD384	Visual Media Design	الجرافيك لوسائل الإعلام المرئية	1	4	3	-
8	PEJ231	Journalistic Layout and Design (2)	الإخراج الصحفي (2)	2	2	3	-

توصيفات المساقات المساندة

اسم المساق	مبادئ علم الاقتصاد		
رقم المساق	DES101		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يتناول هذا المساق علم الاقتصاد، مفهومه، وأهميته، والمشكلة الاقتصادية، وأهداف المجتمع الاقتصادية، والنظرية الاقتصادية في المجتمع الرأسمالي والمجتمع الاشتراكي والمجتمع الإسلامي، كما يتناول النظام السعري والمرونة، والمنفعة وسلوك المستهلك، والدخل القومي والدخل الوطني، وعرض ثم دراسة طرق قياس الناتج المحلى ومشاكل الناتج المحلى الإجمالي، وبيان العلاقة بين الدخل والإنفاق، وأهم الأسس التي تقوم عليها السياسة المالية والنقدية، والعرض والطلب وقياس الناتج الكلي والدخل القومي وقياس النمو والإنتاجية، وتحليل لسياسات النقود وسعر الفائدة والإنتاج، والأسس التي يقوم عليها الاقتصاد الإسلامي.

اسم المساق	الوسائط المتعددة		
رقم المساق	DES102		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يتناول هذا المساق الوسائط المتعددة بعناصرها ووظائفها، باعتبارها فئة من نظم الاتصالات المتفاعلة التي يمكن إنتاجها وتقديمها بواسطة الكمبيوتر، حيث تستخدم لتخزين ونقل واسترجاع المعلومات الموجودة في إطار شبكة من اللغة المكتوبة، والمسموعة، والرسومات الخطية، والصور الثابتة والفيديوأو الصور المتحركة، كذلك يتطرق المساق إلى مبادئ تصميم وإنتاج الوسائط المتعددة، من خلال التطبيق العملي باستخدام برمجيات انتاج الوسائط المتعددة.

Course Title	Study Skills in English		
Course Number	DES103		
Number of Credit Hours	Theory	Practical	
	3	0	
Pre-Requisite	None		
Course Type	Supporting required		

This course provides information, techniques, strategies and skills helpful in becoming more efficient. *It* covers the skills which relate directly to the needs of most university students such as self management, time management, improving reading and writing skills, note taking, research skills, and e

learning.

اسم المساق	مجتمع الإمارات حديثا		
رقم المساق	DES204		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يتناول هذا المساق نشأة مجتمع الإمارات وتكوينه الاجتماعي وسماته ومقوماته من خلال دراسة طبيعة التنظيمات الاجتماعية السائدة (الأسرة والتعليم والصحة والاقتصاد). بالإضافة إلى دراسة ملامح التنمية البشرية والتغير الاجتماعي والمشكلات الاجتماعية وعلاقتها بقضايا العولمة وانتشار استخدام التطبيقات التقنية الحديثة.

اسم المساق	التصوير الرقمي		
رقم المساق	DES205		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يتناول هذا المساق تعريف الطلبة بمكونات وأنواع الكاميرات الرقمية، وطرق التصوير باستخدام الكاميرات الرقمية، وعناصر ومكونات الصورة الرقمية وطرق معالجتها وصيغها وطرق حفظها ونقلها وتحويلها، وكيفية تحرير الصورة الرقمية وطباعتها وتصفحها وحفظها واستخدامها في أعمال مختلفة.

Course Title	Communication Skills in English		
Course Number	DES206		
Number of Credit Hours	Theory	Practical	
	3	0	
Pre-Requisite	N/A		
Course Type	Supporting required		

The course aims to provide students with the language skills and knowledge required to communicate effectively in English in various speech events. As oral language is the basis for communication, instruction will be focused more on listening and speaking to equip learners with the necessary tools to express their thoughts, ideas, feelings and being able to respond to others. To foster their abilities, students will also be exposed to the grammatical and structural aspects of English including writing and vocabulary building.

اسم المساق	مجتمع المعلومات		
رقم المساق	DES207		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يتناول هذا المساق الثورة المعرفية والمعلوماتية التي يعيشها العالم في كل المجالات. كما يستعرض خصائص المجتمع المعلوماتي. مقارنا إياها بما عرفته المجتمعات الأخرى. كما يبحث أيضا في التأثيرات. والآفاق المستقبلية للمجتمع العربي في ظل الثورة المعلوماتية وخارطة السوق المعلوماتية العالمية.

اسم المساق	الأدب العربيّ الحديث والمعاصر		
رقم المساق	DES308		
عدد الساعات	نظريّ	عمليّ	مجموع السّاعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يتناول المساق عوامل ازدهار الأدب في العصر الحديث والمعاصر؛ من امتزاج الثّقافات وانتشار الطّباعة والتّرجمة. وكذلك الاطلاع على: أهمّ المذاهب الأدبيّة والفنّيّة. ووجوه الإبداع فيها. وأبرز أعلامها في مجال الشّعر. ثم الانتقال بعد ذلك إلى دراسة النّثر. ممثّلًا في: القصّة. والمسرحيّة... وغيرها.

اسم المساق	تصميم مواقع شبكة الإنترنت		
رقم المساق	DES309		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يتناول هذا المساق مفاهيم ومبادئ تصميم مواقع الإنترنت حيثيتناول عناصر تصميم المواقع على شبكة الإنترنت. وقواعد إنشائها وتصميمها. ويركز على التخطيط لبناء الموقع الإعلامي. وتوظيف الوسائط المتعددة في إنتاج وعرض المضامين الإعلامية. ويتم التطبيق العملي باستخدام مستحدثات برمجيات تصميم مواقع الإنترنت.

اسم المساق	حقوق الإنسان في العصر الحديث		
رقم المساق	DES310		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يشمل هذا المساق التعريف بالحق وأقسامه، حقوق الإنسان، موقعها بين الحقوق الأخرى، مراحل تطورها ووسائل حمايتها في المواثيق الدولية مع إشارة إلى هذه الحقوق في دستور دولة الإمارات العربية المتحدة.

اسم المساق	الرأي العام		
رقم المساق	DES311		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يتناول المساق تعريف الرأي العام ومراحل نشأته وتطوره كمل يتطرق إلى دراسة تكوينه ومقوماته وتقسيماته وأنواعه، فضلاً عن خصائصه ووظائفه ويتناول بالدراسة والتحليل دور القوى الاجتماعية والسياسية في تشكيل الرأي العام، ثم المجالات التي تستخدم فيها بحوث الرأي العام وعلاقة الرأي العام بالدعاية كما يتناول المساق الإعلام الجديد وعلاقته بالرأي العام.

اسم المساق	المنظمات الإقليمية والدولية		
رقم المساق	DES312		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يتناول المساق نشأة المنظمات الإقليمية والدولية في سياق التطور التاريخي للعلاقات الدولية، أنواعها وسماتها القانونية. إلقاء الضوء على أهم المنظمات الإقليمية والدولية والكيانات الرئيسية التابعة لها ودورها في خدمة محيطها، بالإضافة إلى استعراض المنظمات الإقليمية البارزة.

اسم المساق	التفكير الناقد والابتكاري		
رقم المساق	DES413		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يتناول هذا المساق التفكير الناقد والابتكاري من خلال بناء وتطوير مهارات وعمليات التفكير الناقد والابتكاري كما يدور حول تعزيز قدرات الطلبة في تقييم مواطن القوة والضعف في الجدل والنقاش بشكل موضوعي والنقد البناء وحل المشكلات والاستنتاج المنطقي والتصنيف

الفكري وكل ما يتعلق بإشكاليات الحياة العملية المختلفة وكيفية التغلب عليها. كذلك الاستخدام الأمثل للتحليل الناقد لما يدور حولنا من أحداث ومواقف. وأيضا تنمية قدرة الفرد على الإنتاج من خلال ابتكاره لأفكار جديدة.

اسم المساق	مناهج وطرق البحث		
رقم المساق	DES414		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يتناول هذا المساق إجراءات وخطوات البحث العلمي، ومناهج البحث العلمي المستخدمة في مجال الإعلام.كما يقدم عرضا مفصلا عن أساليب البحث العلمي المستخدمة في مجال الإعلام، مثل أسلوب المسح الإعلامي. ويتناول أساليب التحليل الكيفي والكمي وأدوات البحث الكمية والكيفية. (أداة الاستبيان، الملاحظة البحثية، المقابلة، تحليل المضمون، جماعات النقاش البؤرية). أنواع العينات الاحتمالية وغير الاحتمالية ومواصفاتها وإجراءات اختيارها، وعيوبها، وكيفية تجنبها. ويطبق الطالب ذلك كله من خلال الجانب العملي للمساق بإجراء بحث علمي في أحد المجالات الإعلامية.

اسم المساق	علم النفس الاجتماعي		
رقم المساق	DES415		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب مساند		

يتناول هذا المساق التعريف بعلم النفس الاجتماعي، تطوره التاريخي ومجالاته والعلوم المتصلة به، ومناهجه. كمايتناول القيم والاتجاهات والدوافع والقيادة والتنشئة الاجتماعية والتطبيع الاجتماعي، والسلوك الاجتماعي للجماعات، والظواهر الاجتماعية والعوامل الدينامية في عملية التوافق والإحباط والتعصب والعنف والعدوان والامتثال والطاعة والانحراف والصراع، إضافة إلى الأسس النفسية للمشكلات الأسرية والشبابية وآثارها، والأمراض الاجتماعية، وتأثيرات وسائل الإعلام على الفرد والجماعة والمجتمع، والدعاية والحرب النفسية.

توصيفات مساقات القسم

اسم المساق	مدخل إلى الصحافة المطبوعة والإلكترونية		
رقم المساق	DER116		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم		

يتناول هذا المساق دراسة نشأة وتطور الصحافة المطبوعة والإلكترونية، مع التركيز على الدور الذي تقوم به الصحافة في المجتمع. والوظائف المختلفة التي تمارسها وأهمية هذه الوظائف وتأثيرها في تنمية المجتمع. كمايتناول المساق تطور الصحافة المطبوعة والإلكترونية، وتأثير تطور تكنولوجيا الاتصال والمعلومات في مستقبل الصحافة.

اسم المساق	مدخل إلى الإذاعة والتلفزيون		
رقم المساق	DER117		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم		

يتناول هذا المساق نشأة وتطور الإعلام الإذاعي والتلفزيوني، وخصائص كل وسيلة منهما، وكذلك البث الفضائي عبر الأقمار الاصطناعية، والراديو والتلفزيون والإنترنت، ووظيفة الإعلام الإذاعي والتلفزيون في المجتمع، وأنواع الأنظمة الإذاعية وتأثير اختلاف السيطرة والتمويل على المضمون الإذاعي والتلفزيوني.

اسم المساق	مدخل إلى العلاقات العامة والإعلان		
رقم المساق	DER118		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم		

يتناول هذا المساق التعريف بالعلاقات العامة من حيث مفهومها وتاريخها ووظائفها ووسائل عملها، إلى جانب جماهير العلاقات العامة، وأنشطتها في مختلف المجالات، ودورها ووسائلها في تطوير المؤسسات. وكذلك مفهوم الإعلان وأنواعه وأهداف ووظائفه ووسائله المختلفة، مراحل تأثير الإعلان على سلوك المستهلك، والأوتار الإقناعية في الرسالة الإعلانية.

اسم المساق	مدخل إلى التصميم الجرافيكي		
رقم المساق	DER119		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم		

يتناول هذا المساق عرض المبادئ والمفاهيم الأساسية المتعلقة بالتصميم الجرافيكي، وعملية التصميم وعناصرها، تطبيقات تصميم الجرافيك في وسائل الإعلام المطبوعة والتلفزيونية وأهمية الثقافة المرئية والتفاعلية. وكيفية توظيفها كوسائل اتصال مرئية مثل الألوان والتصميم الجرافيكي والتصوير والوسائط المتعددة والإنترنت والرسوم المتحركة والكارتون والرسوم المعلوماتية وغيرها... وكذا برمجيات التصميم الرقمي.

اسم المساق	نظريات الاتصال		
رقم المساق	DER420		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم		

يتناول المساق النظريات والمداخل النظرية التي تفسر الظواهر الإعلامية المختلفة. ويعرض المساق كل نظرية أو مدخل نظري بالتعريف بخلفيته المعرفية، والسياق الاجتماعي والثقافي والمعرفي الذي أنتجه. كما يتناول المساق كيفية تطوير نموذج نظري يفسر الظواهر الإعلامية الحديثة التي أوجدها الإعلام الإلكتروني. يتعرض المساق للنظريات والمداخل النظرية الرئيسية في علم الاتصال والإعلام مثل: نظريات التأثير، نظرية وضع الأجندة، ونظريات بناء الواقع الاجتماعي وإدراكه، والمداخل النفسية والاجتماعية المختلفة المفسرة للاتصال مثل مدخل الاستخدامات والإشباعات.

اسم المساق	أخلاقيات الإعلام وتشريعاته		
رقم المساق	DER321		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب قسم		

يتناول هذا المساق مفهوم حرية الرأي والتعبير ومظاهره، المسؤولية الاجتماعي ومواثيق ممارسة العمل الإعلامي، الأخلاقيات والتشريعات الإعلامية التي تحكم ممارسة مهنة الإعلام، علاوة على إلقاء الضوء على أهم القوانين والتشريعات الإعلامية في دولة الإمارات العربية المتحدة.

توصيفات مساقات تخصص الصحافة المطبوعة والإلكترونية

اسم المساق	الكتابة الصحفية (1)		
رقم المساق	PEJ122		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	DER116		
نوع المساق	متطلب تخصص إجباري		

يتناول المساق فنون الكتابة الصحفية الخبرية ومواد الرأي.يتناول المساق القيم الخبرية، والفرق بين الخبر والرأي، حيث يتعرف الطالب على الخبر الصحفي، والتقرير الخبري، والقصة الخبرية، ويتعرف أيضًا على قواعد تغطية المؤتمرات الصحفية، وكتابة البيان الصحفي، يشرح المساق الفرق بين الفنون الصحفية الخبرية، وقواعد كتابة كل منها، كمايتناول القيم الخبرية المختلفة، ومصادر المعلومات، ويعرف بوكالات الأنباء المحلية والعربية والدولية، وقواعد واعتبارات التعامل مع أخبار وكالات الأنباء.

اسم المساق	الكتابة الصحفية (2):		
رقم المساق	PEJ223		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	PEJ122		
نوع المساق	متطلب تخصص إجباري		

يتناول المساق أنواع متقدمة من الكتابة الصحفية، حيثيتناول الفنون الصحفية المختلفة التفسيرية والاستقصائية، ومواد الرأي، فيتعلم الطالب قواعد وأسس إجراء التحقيق الصحفي، وإجراء الحوارات والمقابلات الصحفية، ومواد الرأي بما يشتمل على الأنواع المختلفة من المقالات والأعمدة الصحفية، وكذلك كتابة التعليق على الصور وشرحها، كما يتعرف على أشكال الكتابة الوظيفية كفن الكاريكاتور ودوره وأهميته.

اسم المساق	التصوير الصحفي		
رقم المساق	PEJ224		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق تعريف الطلبة بأسس التصوير الصحفي، مع التركيز على إنتاج مشروعات وتطبيقات صحفية مصورة، والتعرف على كيفية التعامل مع الموضوعات المهنية ذات الصلة باستخدام عناصر الصورة في التصوير الصحفي، والتأكيد على استيعاب الطالب لمفاهيم وأساليب وطرق التصوير الصحفي وزيادة قدرة الطالب على التحكم في أدواته الفنية والتقنية، بالإضافة إلى بحث ومناقشة الاتجاهات الحديثة في بحوث الصورة الصحفية.

اسم المساق	الترجمة الصحفية		
رقم المساق	PEJ225		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص إجباري		

يتناول المساق قواعد وأساليب الترجمة الصحفية الاحترافية، للنصوص الصحفية المختلفة الإخبارية وغيرها.يتناول المساق الأساليب الفنية المستخدمة في الترجمة، والاختصارات الدولية المعتمدة والمتعارف عليها.

اسم المساق	الإخراج الصحفي 1 (الأسس والمبادئ)		
رقم المساق	PEJ226		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	PEJ122		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق تعريف الإخراج الصحفي ووظائفه، والمفاهيم والأسس التي يقوم عليها الإخراج الصحفي، مع التركيز على العناصر التيبوغرافية والجرافيكية الثابتة والمتغيرة التي تستخدمها المدارس الفنية المختلفة لإخراج الجرائد والمجلات، وأثر التقدم التقني على الإخراج والطباعة في الصحافة المعاصرة، ومكونات التصميم الأساسي في المطبوعات الصحفية. ومبادئ استخدام برمجيات النشر الصحفي المختلفة.

اسم المساق	صحافة الإنترنت		
رقم المساق	PEJ327		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق صحافة الإنترنت من حيث النشأة، والتطور، والخصائص، وأسس تصميم المواقع الصحفية، وخصائص وقواعد التحرير الصحفي لصحافة الإنترنت. والاتجاهات الحديثة في التحرير الصحفي الإلكتروني. كما يستعرض نماذج من صحافة الإنترنت العربية والأجنبية بأنواعها وأشكالها المختلفة.

اسم المساق	الصحافة المتخصصة		
رقم المساق	PEJ328		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	PEJ122		
نوع المساق	إجباري تخصص متطلب		

يتناول هذا المساق نشأة وتطور الصحافة المتخصصة، ومجالات الصحافة المتخصصة وأهم ما يميزها بما يشمل خصائصها ووظائفها وأهميتها في المجتمع. كمايتناول أشكال الصحافة المتخصصة، وعدد من مجالات الصحافة المتخصصة مثل: الصحافة الفنية، والصحافة العلمية، والصحافة الاقتصادية. حيث يتعرض المساق بالتفصيل لقواعد الممارسة الصحفية في هذه المجالات التخصصية.

اسم المساق	التدريب الميداني في الصحافة المطبوعة والإلكترونية		
رقم المساق	PEJ429		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	0	6	3
المتطلب السابق	إنجاز 90 ساعة معتمدة		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق التدريب الميداني للطالب في إحدى المؤسسات الصحفية بغرض التطبيق العملي للأساليب والمعارف العلمية التي اكتسبها أثناء فترة دراسته بالجامعة.

اسم المساق	مشروع التخرج في الصحافة المطبوعة والإلكترونية		
رقم المساق	PEJ430		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	0	6	3
المتطلب السابق	إنجاز 105 ساعة معتمدة		
نوع المساق	متطلب تخصص إجباري		

يهدف المساق الى الكشف عن المعارف والمهارات التى اكتسبها الطالب في المساقات المختلفة وقدرته على تطبيقها وممارستها من خلال إنتاج مواد صحفية مطبوعة وإلكترونية.

اسم المساق	الإخراج الصحفي 2 (الجريدة والمجلة)		
رقم المساق	PEJ231		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق			
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق مفاهيم ومبادئ التصميم وإخراج الصحف (جرائد ومجلات) مع التركيز على العناصر التيبوغرافية والجرافيكية، والمدارس الفنية المختلفة لإخراج الصحف باستخدام برمجيات النشر الصحفي.

Course Title	Media Internet Uses		
Course Number	PEJ132		
Number of Credit Hours	Theory	Practical	
	3	0	
Pre-Requisite	None		
Course Type	Elective		

This course deals with the definition and origins of the Internet and its various applications such as the Web, and the development stages of the first generation through the second and up to the third generation. It also covers various media internet and networks uses and various social media applications, ranging from the stages of collecting, evaluating, and processing information up to the final stage of electronic publishing and the various factors, potentials and skills associated with these uses.

اسم المساق	النقد الأدبي والفني		
رقم المساق	PEJ233		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول المساق مفهوم النقد في الإعلام مع التركيز على نقد الأعمال الفنية والأدبية.يتناول المساق قواعد وأسس التفكير التحليلي الناقد. ويركز على فنون وضوابط الكتابة الصحفية النقدية للمجالات الفنية والفكرية المختلفة. وأخلاقيات النقد الإعلامي.

Course name	Media Websites Design		
Course number	PEJ334		
The number of credit hours	Theory	Practical	Credit Hours Total
	1	4	3
Prerequisite	N/A		
Type of course	Major optional requirement		

This course covers the concepts and principles of media websites design where it covers the elements of the websites designs on the Internet, and the rules of its creation and design. It focuses on planning for building a media website and employing multimedia in the production and displaying of media content. The practical application is conducted by using the web design softwares like Adobe Dreamweaver

اسم المساق	إدارة الصحف المطبوعة والإلكترونية واقتصادياتها		
رقم المساق	PEJ235		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول المساق مفهوم الإدارة ونظرياتها. وأنواعها. وأنشطتها وأساليب تنظيمها , وأثرها في متابعة تنفيذ برامج المؤسسات وتحقيق أهدافها. وخصوصية الإدارة الإعلامية في توجيه سياسة المؤسسات الإعلامية والمالية , وتقويم الإنتاج الإعلامي. وتطوير المؤسسات الإعلامية وربطها بالمجتمع. وذلك بالتركيز على نماذج المؤسسات الصحفية.كمايتناول موارد الصحيفة ومصروفاتها والإدارة العلمية الناجحة للمطابع والتوزيع والإعلان ومراكز المعلومات. وأثر التطور التقني في صناعة الصحافة على إدارة المؤسسات الصحفية مع عرض نماذج وتطبيقات لإدارة المؤسسات الصحفية الإماراتية والعربية.

اسم المساق	الصحافة الاستقصائية		
رقم المساق	PEJ336		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	اختياري تخصص متطلب		

يتناول المساق مفهوم الصحافة الاستقصائية وأهميتها، والأدوات والأساليب التي يستخدمها الصحفي لتطوير التحقيق الصحفي الاستقصائي، ومصادر المعلومات المختلفة التي يحتاج إليها، والقواعد التي يلتزم بها في الوصول للمعلومات، وفي التعامل مع المصادر الإعلامية المطلوبة لاستجلاء الحقيقة.

اسم المساق	الصحافة العربية والدولية		
رقم المساق	PEJ137		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص إجباري		

يتناول نشأة الاعلام العربي وتطوره، والتعريف بالصحافة العربية والدولية، ويستعرض عددا من القضايا المتعلقة بها، والمشكلات الثقافية والقانونية والاجتماعية المرتبطة بالإعلام الدولي عامة، وقضايا الاعلام العربي المشترك. كما يستعرض النظام الإعلامي العالمي وتدفق الإعلام بين الدول المتقدمة والدول النامية فضلا عن دراسة أنماط الاتصال الدولي وتأثيرات العولمة في المجال الإعلامي.

توصيفات مساقات تخصص الإذاعة والتلفزيون

اسم المساق	الإنتاج الإذاعي والتلفزيوني 1		
رقم المساق	RTV138		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	DER117		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق مفهوم الإنتاج الإذاعي والتلفزيوني، والأسس الفنية التي تقوم عليها عملية إنتاج البرامج الإذاعية والتلفزيونية، مثل تكوين الأستوديوالإذاعي والتلفزيوني، وطرق تشكيل الصوت الإذاعي والمؤثرات الصوتية، ومتعلقات التصوير والإضاءة التلفزيونية والمؤثرات المرئية، وارتباطها بالأساليب الفنية لعملية المونتاج الإذاعي والتلفزيوني، والجوانب المعاصرة في إنتاج برامج الإذاعة والتلفزيون، كمايتناول المساق في جوانبه العملية تدريب الطلبة على تعلم مهارات الإخراج الإذاعي والتلفزيوني وبناء الرؤية الفنية.

اسم المساق	الإنتاج الإذاعي والتلفزيوني2		
رقم المساق	RTV239		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	RTV138		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق مكونات وعناصر إنتاج برامج الإذاعة والتلفزيون، من الفكرة البرامجية الإذاعية والتلفزيونية، كتابة النص البرامجي الإذاعي والتلفزيوني، القوالب البرامجية الإذاعية والتلفزيونية، أنواع البرامج الإذاعية والتلفزيونية، مثل البرامج المباشرة، البرامج الحوارية، برامج المنوعات، خطوات إعداد وإنتاج البرامج الإذاعية، كما يتناول المساق في جوانبه العملية تدريب الطلبة كيفية عمل برامج إذاعية وتلفزيونية.

اسم المساق	الخبر الإذاعي والتلفزيوني		
رقم المساق	RTV240		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص إجباري		

يتناول المساق التعريف بالخبر الإذاعي والتلفزيوني، مفهومه وخصائصه، وأنواعه ومصادره والعوامل المؤثرة على انتقائه، وكيفية كتابة الأخبار الإذاعية والتلفزيونية وإعداد النشرة الإخبارية وتقييمها، بالإضافة إلى خصائص الكتابة الإخبارية للإذاعة والتلفزيون كمايتناول المساق في جوانبه العملية التطبيقات المتعلقة بكتابة الأخبار الإذاعية والتلفزيونية.

اسم المساق	التقديم والإلقاء		
رقم المساق	RTV241		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص إجباري		

يتناول المساق الإلقاء الإذاعي والتلفزيوني مفهومه ومقوماته وأنواعه، والصفات اللازم توفرها في من يجيد الإلقاء، وتطور علم الإلقاء وخصائص علمية الإلقاء الإذاعي والتلفزيوني، ويدرس المساق طرق الإلقاء مثل التشكيل الصوتي وعلاقته بالمؤثرات الصوتية والتلوين والتمثيل والتطويع الصوتي، كما يهتم المساق في دراسته العملية بتدريب الطلبة على الإلقاء الإذاعي والتلفزيوني في مختلف البرامج.

اسم المساق	البرامج والقنوات المتخصصة		
رقم المساق	ERV242		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق مفهوم الإعلام المتخصص ونشأة القنوات والبرامج المتخصصة وأهميتها وأهدافها، كمايتناول المساق مجالات الإعلام المتخصص وأنواع القنوات والبرامج الإذاعية والتلفزيونية المتخصصة مثل القنوات والبرامج البيئية والصحية والسياحية وبرامج الأسرة والطفل وذوي الاحتياجات الخاصة وغيرها، بالإضافة إلى دراسة القنوات والبرامج المتخصصة ودورها في الإعلام الجديد ومستقبل المجتمعات.

اسم المساق	البرامج الوثائقية		
رقم المساق	ERV343		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	RTV138		
نوع المساق	متطلب تخصص إجباري		

يتناول المساق مفهوم البرامج الوثائقية وأنواعها وعناصر تكوينها، والتطور التاريخي للبرامج الوثائقية الإذاعية والتلفزيونية، والاتجاه الواقعي والخيالي في أفكار البرامج الوثائقية، وسيناريوإعداد وطرق إنتاج الأفلام الوثائقية، كما يدرس المساق في جوانبه العملية التطبيقات على كيفية إنتاج بعض النماذج للبرامج الوثائقية الإذاعية والتلفزيونية في مختلف المجالات الاجتماعية والبيئية والعلمية والثقافية وغيرها.

اسم المساق	الإذاعة والتلفزيون في الحديثة الاتجاهات		
رقم المساق	RTV344		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق التطورات المتتالية والمستجدات الحديثة في مجال العمل الإذاعي والتلفزيوني: مفهومها، ومجالاتها، وأدواتها وتقنياتها، وميزات عصر الاتصال الرقمي، ودور الاتصال الإلكتروني في هذا المجال. ويتناول المساق كل ما هو جديد على مستوى إعداد وإنتاج البرامج الإذاعية والتلفزيونية وكذلك تأثيرات الاتصال الإلكتروني على صناعة الإعلام الإذاعي والتلفزيوني. ويهتم المساق بنظم الاتصال الجديد ووسائطه وعلاقتها بالعمل الإذاعي والتلفزيوني.

اسم المساق	التدريب الميداني في الإذاعة والتلفزيون		
رقم المساق	RTV445		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	0	6	3
المتطلب السابق	إنجاز 90 ساعة معتمدة		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق التدريب الميداني للطلبة في إحدى المؤسسات في مجال الإذاعة والتلفزيون بغرض التطبيق العملي للأساليب والمعارف العلمية التي اكتسبوها.

اسم المساق	مشروع التخرج في الإذاعة والتلفزيون		
رقم المساق	RTV446		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	0	6	3
المتطلب السابق	إنجاز 105 ساعات معتمدة		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق تطبيق الجوانب المعرفية التي اكتسبها الطلبة في مجال الإذاعة والتلفزيون خلال فترة الدراسة وتوظيف تلك المهارات والقدرات في إنجاز مشروع عملي في التخصص.

اسم المساق	النقد الإذاعي والتلفزيوني		
رقم المساق	RTV147		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول المساق مفهوم النقد الإذاعي والتلفزيوني، وأنواع النقد وأهميته وأثره في الممارسة الإعلامية، ونظريات النقد الفني وكيفية الإفادة منها في عملية النقد الإذاعي والتلفزيوني، ثم متطلبات النقد الإذاعي والتلفزيوني وأسسه وأدواته ومراحله وصفات الناقد الإعلامي، كما يركز المساق على الجوانب التطبيقية في عملية النقد الإذاعي والتلفزيوني من خلال تدريب الطلبة على نقد وتقييم البرامج الإذاعية والتلفزيونية.

اسم المساق	الدراما الإذاعية والتلفزيونية		
رقم المساق	RTV448		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق مفهوم الدراما الإذاعية والتلفزيونية، ونشأتها، وأشكالها ومضامينها، وعناصر البناء الدرامي، وخواص الحوار ورسم الشخصيات الدرامية، وأنواع البرامج الدرامية وخطوات إعدادها وإنتاجها وخصائص الصوت والصورة في العمل الدرامي الإذاعي والتلفزيوني، كما يدرس المساق في جوانبه العملية تنفيذ مجموعة من الأعمال الدرامية.

اسم المساق	الإعلان الإذاعي والتلفزيوني		
رقم المساق	RTV249		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق مفهوم الإعلان الإذاعي والتلفزيوني من حيث وضع الأفكار الإعلانية وكتابة نصوصها وتطبيقات إنتاج الإعلان الإذاعي والتلفزيوني. كمايتناول علاقة الإعلان بالتحولات التي أحدثتها التكنولوجيا الذكية من خلال استخدام الوسائط المتعددة في إنتاج الإعلان الإذاعي والتلفزيوني. ويتناول في جوانبه العملية تدريب الطلبة على كيفية إعداد وإنتاج الإعلانات الإذاعية والتلفزيونية.

اسم المساق	الصحافة التلفزيونية		
رقم المساق	RTV350		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق مفهوم الصحافة التلفزيونية، والفرق بينها وبين الصحافة المكتوبة، وأسس وعناصر ومجالات العمل الصحفي في التلفزيون. كما يركز المساق على دراسة مهارات وخصائص الصحفي في القنوات الفضائية، وطبيعة المواد الصحفية التلفزيونية وأنواع برامج الصحافة التلفزيوني كالتقارير الإخبارية والحوارية والاستقصائية، بالإضافة إلى المراسلين الصحفيين في مجال التلفزيون.

اسم المساق	تخطيط البرامج والحملات في الإذاعة والتلفزيون		
رقم المساق	RTV451		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق مفهوم تخطيط البرامج الإذاعية والتلفزيونية بشكل خاص والتخطيط الإذاعي والتلفزيوني بشكل عام من حيث، مقوماته، وخصائصه، وأنواعه، ومراحله، وواقع التخطيط في المحطات الإذاعية والقنوات الفضائية العربية، بالإضافة إلى تخطيط الحملات البرامجية الإذاعية والتلفزيونية وأسس إعداد وإنتاج المواد والبرامج الإذاعية والتلفزيونية للحملات الإذاعية والتلفزيونية، وأثر الإعلام الجديد على واقع التخطيط للحملات الإذاعية والتلفزيونية.

Course name	Online Radio and TV Broadcasting		
Course number	RTV352		
The number of hours	Theory	Practical	Total credit hours
	3	0	3
Prerequisite	N/A		
Type of course	Major optional requirement		

This course deals with the concept of broadcasting and television over the Internet, in contrast to the traditional broadcasting and television, the evolution of radio and television broadcasting, and the foundations and components of radio and television

broadcasting and its frequencies online, the characteristics and requirements of both online radio and online TV, as well as the nature and methods and requirements for preparing and producing programs transmitted online, in addition to that is the relationship between the radio and television broadcasting online and other smart media devices.

Course name	Special Topic in Radio and TV		
Course number	RTV453		
The number of hours	Theory	Practical	Total credit hours
	3	0	3
Prerequisite	N/A		
Type of course	Major optional requirement		

This course deals with the important issues that are addressed in the area of radio and television work, and issues that arise in the field of radio and television. The themes of the course are determined according to the nature of the topics that are taught.

اسم المساق	مهارات الاتصال الفعّال		
رقم المساق	RTV254		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول المساق مفهوم الاتصال وأنواعه وأشكاله واتجاهاته. مفهوم الاتصال الفعال وسماته وعناصره. مهارات الاتصال الفعال: اللفظي كمهارات الحديث والحوار، الاستماع، الإلقاء، التفاوض واحتواء الاعتراضات، كتابة التقارير. وكذلك مهارات الاتصال غير اللفظي، كما يناقش أنماط الأشخاص المختلفة ومهارات التعامل معهم ومع ذوي الطباع الصعبة.

توصيفات مساقات تخصص العلاقات العامة والإعلان

اسم المساق	إدارة العلاقات العامة والإعلان		
رقم المساق	PRA155		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	DER118		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق مفهوم وأهمية التنظيم في عمل العلاقات العامة، موقع إدارة العلاقات العامة في الهيكل التنظيمي للمؤسسات والتنظيم الداخلي لها، أساليب تنفيذ أنشطة العلاقات العامة، السمات والمؤهلات الواجب توافرها بالمدراء والعاملين بالعلاقات العامة، أسس ومراحل تخطيط برامج العلاقات العامة. كما يناقش مفهوم وعناصر النشاط الإعلاني والمتغيرات المؤثرة عليه، التنظيم الداخلي لإدارة الإعلان ووظائفها لدى المعلن، أنواع ووظائف الوكالات الإعلانية والتنظيم الإداري لها والقواعد والقوانين التي تحكم عملها.

اسم المساق	استراتيجيات الإعلان		
رقم المساق	PRA256		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	DER118		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق التعريف مفهوم الاستراتيجية الإعلانية وعناصرها ومجالاتها وأهدافها، أنواع الاستراتيجيات الإعلانية والعوامل المؤثرة في تخطيطها ونجاحها، الاستراتيجيات الإعلانية وعلاقاتها بدراسة سلوك المستهلك. كما يناقش الاستراتيجيات الإبداعية في الإعلان ودورها في إدارة العلامة التجارية، استراتيجيات الإعلان الدولي وأنواعها وأساليب تخطيطها، وأخيراً مناقشة حالات تطبيقية لبعض الإعلانات وتحليلها.

اسم المساق	البروتوكول والإتيكيت		
رقم المساق	PRA257		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق مفهوم البروتوكول والمراسم، مفهوم الهندسة الدبلوماسية، بروتوكول الزيارات والحفلات والولائم الرسمية، قواعد الأسبقية، مراسم المؤتمرات والاجتماعات الدولية، مراسم رفع الأعلام والمراسلات ومنح الأنواط والأوسمة. كما يناقش مفهوم الإتيكيت، إتيكيت التعامل الاجتماعي غير الرسمي (المجاملة - التعارف -المصافحة - الدعوة والزيارة - تقديم الهدايا، الحديث - الملابس) إتيكيت الولائم والحفلات غير الرسمية، إتيكيت الاجتماعات والمقابلات.

اسم المساق	الاتصالات التسويقية المتكاملة		
رقم المساق	PRA258		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	DER118		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق مدخل الاتصالات التسويقية المتكاملة (المفهوم - التعريفات - الملامح والأبعاد- الأهمية - الوظائف - قواعد الاستخدام - المعوقات). الاتصالات التسويقية ودراسة سلوك المستهلك. استراتيجيات وعناصر الاتصالات التسويقية المختلفة (العلاقات العامة التسويقية والتفاعلية- الرعاية- البيع الشخصي - تنشيط المبيعات- التسويق المباشر - إدارة علاقات العملاء...) ودورها في تحقيق الوظيفة الاتصالية والتسويقية للشركات والمؤسسات.

اسم المساق	الكتابة للعلاقات العامة والإعلان		
رقم المساق	PRA259		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص إجباري		

يتناول المساق مفهوم الكتابة للعلاقات العامة وأهميتها. أشكال الكتابة للعلاقات العامة والفرق بينها وبين فنون الكتابة الأخرى. السمات والمهارات اللازمة لكاتب العلاقات العامة وكيفية تنميتها. خصائص الأسلوب الكتابي للعلاقات العامة. قواعد الكتابة المتخصصة للعلاقات العامة في مختلف الوسائل الإعلامية. الكتابة للإعلان: المفهوم - الأهداف - السمات. الوظائف الأساسية للنص الإعلانى. السمات والمهارات اللازمة لكاتب النصوص الإعلانية. قواعد وأساليب كتابة النص الإعلاني في وسائل الإعلام المختلفة.

اسم المساق	إنتاج مواد العلاقات العامة		
رقم المساق	PRA360		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	PRA259		
نوع المساق	متطلب تخصص إجباري		

يتناول المساق مختلف جوانب عملية إعداد وإنتاج مواد العلاقات العامة كالكتيبات. النشرات الصحفية. المطويات. الملصقات. إخراج الصور الفوتوغرافية والتعليق عليها. المواد السمعية والبصرية. وكذلك المراحل الفنية والإنتاجية للمواد الإعلامية المختلفة المطبوعة والمسموعة والمرئية. ومدى تأثير التطور التكنولوجي عليها. كمايتناول الجوانب القانونية الواجب مراعاتها عند إنتاج المواد الإعلامية.

اسم المساق	والإعلانية تخطيط الحملات الإعلامية		
رقم المساق	PRA361		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	DER118		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق مفهوم وأسس وعناصر ومعايير التخطيط الإعلامي. مفهوم الحملة الإعلامية والإعلانية وأنواعها. عناصر الحملة الإعلامية والإعلانية وسماتها وأسس تخطيطها. مراحل تخطيط الحملة الإعلامية والإعلانية بداية من تحديد موضوع الحملة حتى جدولتها وتنفيذها وتقييمها. بالإضافة لعرض نماذج تطبيقية لبعض الحملات الإعلامية والإعلانية ومناقشتها وتحليلها.

اسم المساق	التدريب الميداني في العلاقات العامة والإعلان		
رقم المساق	PRA462		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	0	6	3
المتطلب السابق	إنجاز 90 ساعة معتمدة		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق التدريب الميداني للطلبة في إحدى المؤسسات في مجال العلاقات العامة والإعلان بغرض التطبيق العملي للأساليب والمعارف العلمية التي اكتسبوها.

اسم المساق	مشروع التخرج في العلاقات العامة والإعلان		
رقم المساق	PRA463		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	0	6	3
المتطلب السابق	إنجاز 105 ساعات معتمدة		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق تطبيق الجوانب المعرفية التي اكتسبها الطلبة في مجال العلاقات العامة والإعلان خلال فترة الدراسة وتوظيف تلك المهارات والقدرات في إنجاز مشروع عملي في التخصص.

اسم المساق	الاتصال المؤسسي		
رقم المساق	PRA264		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق دراسة الاتصال المؤسسي داخل منظمات الأعمال من حيث المفاهيم والعمليات الأساسية والأهداف. تكامل الاتصالات المؤسسية الداخلية والخارجية. الاتصالات المؤسسية الإلكترونية وتطبيقات نظم إدارتها. كمايتناول تأثير اختلافات النظريات والنظم الإدارية على الاتصالات المؤسسية. بالإضافة إلى أنماط القيادات الإدارية والنمط الاتصالي الفعّال. وكذلك اتصالات إدارة النزاعات والخلافات المؤسسية وكيفية استخدام استراتيجيات حل النزاعات في المؤسسات المعاصرة.

اسم المساق	الأزمة اتصالات		
رقم المساق	PRA265		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق موضوع اتصالات الأزمة (المفهوم - التعريفات - الفرق بين اتصالات الأزمة وإدارة الأزمة والمفاهيم الأخرى ذات الصلة) الاستراتيجيات الاتصالية للاستجابة أوقات الأزمات - سمات اتصالات الأزمة الفعالة - نظرية اتصالات الأزمة الموقفية - دورة حياة اتصالات الأزمة - فاعلية اتصالات الأزمة في حماية سمعة المنظمات. نماذج تطبيقية لشركات واجهت أزمات متنوعة للتعرف على كيفية استجابتهم لتلك الأزمات وأهم الاستراتيجيات الاتصالية التي تم استخدامها.

Course name	Online Public Relations and Advertising		
Course number	PRA366		
The number of credit hours	Theory	Practical	Credit Hours Total
	3		3
Prerequisite	N/A		
Type of course	Obligatory elective requirement		

This course covers:

Public Relations and Online Advertising (concept - importance - goals - target audiences), and the functions of public relations on the Internet, the advantages offered by the Internet for practitioners of public relations, Internet use in public relations and corporate communications, recent trends in Public Relations research via the Internet, the ethics of the practices of public relations over the Internet. Online advertising (concept - origination - importance - goals - target audiences - Features - negatives), forms of online advertising, advertising message over the Internet, advertising on social networks, discussing and analyzing models of the practices of public relations and online advertising.

Course name	Applied Public Relations		
Course number	PRA367		
The number of credit hours	Theory	Practical	Credit hours total
	3	0	3
Prerequisite	N/A		
Type of course	Major optional requirement		

The course deals with the definition of modern public relations strategies, tools, applications, knowledge of the types and areas of sponsorship and their application in different institutions, how to develop and implement social responsibility programs which aim at consolidating reputation and building mental image for institutions, as well as empirical study cases of sponsorship programs and social responsibility within the government and private institutions.

اسم المساق	تنظيم الفعاليات والأحداث الخاصة		
رقم المساق	PRA268		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	3	0	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق تعريف أنشطة وفعاليات العلاقات العامة، تخطيط الأنشطة والفعاليات، أنوع الأنشطة كالمؤتمرات والندوات، الاجتماعات، اللقاءات والأيام المفتوحة، الجولات الميدانية، الأحداث الخاصة، دور هذه الأنشطة في تنمية وتطوير العلاقات مع المجتمع، كيفية تطوير المؤسسات لعلاقاتها مع الإعلاميين ووسائل الإعلام المختلفة لترويج الأنشطة والفعاليات التي تنظمها، وأخيراً نماذج وتطبيقات عملية.

اسم المساق	الإعلان في الإذاعة والتلفزيون		
رقم المساق	RTV249		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق مفهوم الإعلان الإذاعي والتلفزيوني من حيث وضع الافكار الإعلانية وكتابة نصوصها وتطبيقات إنتاج الإعلان الإذاعي والتلفزيوني، كمايتناول علاقة الإعلان بالتحولات التي أحدثتها التكنولوجيا الذكية من خلال استخدام الوسائط المتعددة في إنتاج الإعلان الإذاعي والتلفزيوني، ويتناول في جوانبه العملية تدريب الطلبة على كيفية إعداد وإنتاج الإعلانات الإذاعية والتلفزيونية.

اسم المساق	الجرافيك لوسائل الإعلام المطبوعة		
رقم المساق	GRD272		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق التصميم الجرافيكي لوسائل الإعلام المطبوعة مثل الإعلان مفهومه وأسس تصميمه من حيث البناء، واختيار الرسالة الإعلانية، ووسائل نشر الإعلان، والمواد المستخدمة في تصميم الإعلان، وأسس التخطيط للحملات الإعلانية، وتصميم الشعار والكارت الشخصي وورق المكاتبات والأظرف والمطوية وحافظة الأوراق والملصقات وإعلان الإنترنت وإعلان الجريدة.

توصيفات مساقات تخصص التصميم الجرافيكي

اسم المساق	مبادئ الرسم		
رقم المساق	GRD169		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	DER119		
نوع المساق	متطلب تخصص إجباري		

يتناول المساق تعريف الحقائق البصرية ودورها في نقل الواقع كما هو. والتأكيد على أهمية ممارسة الرسم كمهارة للمصمم تضاهي التطبيقات الرقمية. ودور الرسم في التعبير عن المضمون. مع الإلمام بالقيم والعناصر التصميمية. وعرض شامل لكل التقنيات المستخدمة في فن الرسم.

اسم المساق	نظريات الواقع الافتراضي والتصميم ثلاثي الأبعاد		
رقم المساق	GRD270		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
	DER119		
	متطلب تخصص اجباري		

يتناول هذا المساق المفاهيم الأساسية والنظريات المتخصصة في الواقع الافتراضي والتصور الحقيقي له في الفراغ. حيثيتناول نظرية التصميم ثلاثي الأبعاد والنشاط التصميمي وجوانبه بصفة عامة في ضوء استخدام تقنيات الكمبيوتر وبرامج التصميم والحركة ثلاثية الأبعاد على اختلاف مستوياتها وبناء الأشكال المجسمة ببرامج الكمبيوتر وعلاقات اللون والملمس وغيرها من عوامل التصميم والإخراج المتنوعة.

اسم المساق	تصميم العلامة التجارية والشعار		
رقم المساق	GRD271		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	GRD169		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق مفاهيم ومبادئ تصميم العلامة التجارية والشعار مع التركيز على العناصر التيبوغرافية والجرافيكية. والمدارس الفنية لتصميم الشعار والعلامة التجارية وعلم الدلالات والرموز في عملية الإبداع عبر العصور الزمنية المختلفة وتطورها.

اسم المساق	الجرافيك لوسائل الإعلام المطبوعة		
رقم المساق	GRD272		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	GRD271		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق التصميم الجرافيكي لوسائل الإعلام المطبوعة مثل الإعلان مفهومه وأسس تصميمه من حيث البناء, واختيار الرسالة الإعلانية, ووسائل نشر الإعلان. والمواد المستخدمة في تصميم الإعلان, وأسس التخطيط للحملات الإعلانية. وتصميم الشعار والكارت الشخصي وورق المكاتبات والأظرف والمطوية وحافظة الأوراق والملصقات وإعلان الإنترنت وإعلان الجريدة.

اسم المساق	تصميم الوسائط التفاعلية		
رقم المساق	GRD273		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	DER119		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق دراسة مفهوم الوسائط المتعددة بصفتها مجموعة من المكونات الهادفة إلى إنتاج مضمون إعلامي تفاعلي ومتكامل حيثيتناول مواضيع التفاعل بين الكمبيوتر والمستخدم, أنماط اتفاعل, ومراحل التصميم التفاعلي, كما يتدرب الطالب على استخدام برمجيات التصميم لإنتاج مشروع وسائط متعددة تفاعلي.

اسم المساق	المواقع الاجتماعية والتطبيقات الذكية		
رقم المساق	GRD374		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	GRD273		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق مفاهيم ومبادئ تصميم كل من المواقع الإلكترونية والتطبيقات الذكية المتخصصة في مجال المواقع الاجتماعية, والتي يتم تصميمها وإنشائها على شبكة الإنترنت وعلى الهواتف الذكية النقالة (الموبايل), ويتم التطبيق العملي باستخدام برامج الكومبيوتر في تصميم وإنشاء المواقع الاجتماعية وتطبيقاتها.

اسم المساق	الرسوم المعلوماتية		
رقم المساق	GRD375		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	GRD169		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق مفاهيم ومبادئ الرسوم المعلوماتية وطرق تصميمها وإنتاجها. حيثيتناول أنواع الرسومات المعلوماتية واستخداماتها المختلفة. مراحل إنتاجها. التفكير والاتصال البصري. تعريف الرسم والعمل الفني. وطرق التصور البصري وخاصة الرسوم الساخرة. الرسوم التوضيحية. الرسوم البيانية.

اسم المساق	التدريب الميداني في التصميم الجرافيكي		
رقم المساق	GRD476		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	0	6	3
المتطلب السابق	إنجاز 90 ساعة معتمدة		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق التدريب الميداني للطالب في إحدى المؤسسات أو الأقسام المتخصصة في التصميم الجرافيكي بغرض التطبيق العملي للأساليب والمعارف العملية التي اكتسبها خلال دراسته وذلك لتطوير مهاراته المهنية لتأهيله لسوق العمل لاحقا.

اسم المساق	مشروع التخرج في التصميم الجرافيكي		
رقم المساق	GRD477		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	0	6	3
المتطلب السابق	إنجاز 105 ساعات معتمدة		
نوع المساق	متطلب تخصص إجباري		

يتناول هذا المساق تطبيق الجوانب المعرفية التي تمكن الطالب من إنجاز مشروع التخرج في تخصص التصميم الجرافيكي. بحيث يستخدم المهارات التي اكتسبها خلال فترة الدراسة ليقدم مشروعا تطبيقيا. يعد وينتج مادة مطبوعة ورقمية.

اسم المساق	الرسوم المتحركة		
رقم المساق	GRD378		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

تعريف الطلبة بالمبادئ الأساسية للرسوم المتحركة. أدوات اعداد أفلام الرسوم المتحركة. عناصر فن الرسوم المتحركة. خطوات رسم الشخصيات الكرتونية. الهيكل الدرامي لأفلام الرسوم المتحركة. مراحل إنتاج فيلم الرسوم المتحركة. وأسس تحريك الشخصيات الكرتونية. مع التطبيق على برمجيات إنتاج الرسوم المتحركة مثل Adobe Flash أو غيرها من برمجيات.

Course name	Special Topic in Graphic Design		
Course number	GRD479		
The number of hours	Theory	Practical	Total credit hours
	2	2	2
Prerequisite	N/A		
Type of course	Major optional requirement		

- This course covers the latest developments and issues of graphic design in all areas. The selected topics deal with technical and artistic developments and innovations in the world of graphic design. The topics are also chosen from the concerns of the academic and scientific community in the field of graphic design.

اسم المساق	نظرية اللون وتطبيقاتها		
رقم المساق	GRD180		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق دراسة المبادئ والمفاهيم الرئيسية للون، ودراسة نظرية اللون بصفتها أحد العناصر الرئيسية لعملية التصميم، وأهمية الثقافة اللونية للمصمم، ودراسة التدريبات العملية لتقنيات اللون وتوظيفها في العمل الفني الجرافيكي، بالاستخدام المباشر للون أو باستخدام برمجيات التصميم .

اسم المساق	التصميم والتغليف		
رقم المساق	GRD481		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق أهمية التغليف ووظيفته ومستويات وأنواع التغليف وطرق التصميم والأفكار المختلفة في تغليف المنتجات وتأثير عناصر مثل اللون، الملمس في الشكل الخارجي وكذلك الخامات المتنوعة المستخدمة لإعداد العبوات والبعد الاقتصادي والتكنولوجي في التغليف.

Course Title	Techniques & Materials		
Course Number	GRD482		
Number of Credit Hours	Theory	Practical	
	2	2	
Pre-Requisite	None		
Course Type	Elective		

Techniques and Materials course covers various ways of print media publications: traditional and modern. It also covers raw materials and inks used in printing and in various applications. The course includes a brief study of the designing ways for each of the printed forms. It ends up with training students how to calculate the cost samples of some print media products.

اسم المساق	التصميم الجرافيكي للكتابات "تيبوغرافي"		
رقم المساق	GRD283		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتعرف الطالب في هذا المساق إلى تطور الحروف الطباعية وأنواعها وتطبيقاتها المختلفة ومبادئ تصميمها وتقنياتها وأساليب استخداماتها وذلك من خلال المفاهيم النظرية وتطبيقاتها في عدة تمارين.

اسم المساق	الجرافيك لوسائل الإعلام المرئية		
رقم المساق	GRD384		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	1	4	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق مفاهيم ومبادئ التصميم الجرافيكي للأعمال المرئية لهويات القنوات التلفزيونية من حيث الشكل والمضمون وعلاقتها بالرسالة الإعلامية، التي تمكن الطالب من تنميه التفكير البصري وعلاقته بتحليل الصورة وإنتاج تصميمات لوسائل الاعلام المرئية في القنوات التلفزيونية والإنترنت.

اسم المساق	الإخراج الصحفي 2 (الجريدة والمجلة)		
رقم المساق	PEJ231		
عدد الساعات	نظري	عملي	مجموع الساعات المعتمدة
	2	2	3
المتطلب السابق	لا يوجد		
نوع المساق	متطلب تخصص اختياري		

يتناول هذا المساق مفاهيم ومبادئ تصميم وإخراج المجلات والصحف مع التركيز على العناصر التيبوغرافية والجرافيكية التي تمكن الطالب من الالمام بطرق الإخراج الصحفي، باستخدام برمجيات النشر الصحفي، ودراسة المحددات النفسية والصحفية والفنية لتصميم الصحف والمجلات.

مصفوفة ربط المخرجات التعليمية للبرنامج

بعناصر منظومة المؤهلات في دولة الإمارات العربية المتحدة (QF Emirates)

مصفوفة ربط المخرجات التعليمية للبرنامج
بعناصر منظومة المؤهلات في دولة الإمارات العربية المتحدة (QF Emirates)

منظومة المؤهلات QF Emirates / المخرجات التعليمية للبرنامج	المعرفة Knowledge					المهارة Skill				أوجه الكفاءة Competency								
										الاستقلالية والمسؤولية Autonomy and Responsibility				الدور في السياق Role in Context				التطور الذاتي Self-Development		
	1	2	3	4	5	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3
مخرج البرنامج 1	√																			
مخرج البرنامج 2		√																		
مخرج البرنامج 3				√																
مخرج البرنامج 4					√															
مخرج البرنامج 5						√														
مخرج البرنامج 6							√													
مخرج البرنامج 7								√												
مخرج البرنامج 8									√											
مخرج البرنامج 9										√										
مخرج البرنامج 10											√									
مخرج البرنامج 11																			√	
مخرج البرنامج 12																		√		
مخرج البرنامج 13																			√	
مخرج البرنامج 14																				√
مخرج البرنامج 15																				

مصفوفة ربط مخرجات المساقات المساندة ومساقات القسم

بالمخرجات التعليمية للبرنامج

مصفوفة ربط مخرجات تخصص الصحافة المطبوعة والإلكترونية

بالمخرجات التعليمية للبرنامج

مصفوفة ربط مخرجات تخصص الصحافة المطبوعة والإلكترونية بالمخرجات التعليمية للبرنامج

م	المخرجات التعليمية للبرنامج مخرجات تخصص الصحافة المطبوعة والإلكترونية	مخرج البرنامج 1	مخرج البرنامج 2	مخرج البرنامج 3	مخرج البرنامج 4	مخرج البرنامج 5	مخرج البرنامج 6	مخرج البرنامج 7	مخرج البرنامج 8	مخرج البرنامج 9	مخرج البرنامج 10	مخرج البرنامج 11	مخرج البرنامج 12	مخرج البرنامج 13	مخرج البرنامج 14	مخرج البرنامج 15
1	مخرج صحافة 1			√												
2	مخرج صحافة 2	√														
3	مخرج صحافة 3			√												
4	مخرج صحافة 4		√													
5	مخرج صحافة 5				√	√	√						√			
6	مخرج صحافة 6	√						√								
7	مخرج صحافة 7					√										
8	مخرج صحافة 8		√	√			√						√			
9	مخرج صحافة 9						√	√								
10	مخرج صحافة 10			√		√			√			√		√		
11	مخرج صحافة 11					√								√		
12	مخرج صحافة 12								√							
13	مخرج صحافة 13					√					√	√				
14	مخرج صحافة 14										√					
15	مخرج صحافة 15										√			√	√	

مصفوفة ربط مخرجات تخصص الإذاعة والتليفزيون

بالمخرجات التعليمية للبرنامج

مصفوفة ربط مخرجات تخصص الإذاعة والتليفزيون بالمخرجات التعليمية للبرنامج

	المخرجات التعليمية للبرنامج مخرجات تخصص الإذاعة والتليفزيون	مخرج البرنامج 1	مخرج البرنامج 2	مخرج البرنامج 3	مخرج البرنامج 4	مخرج البرنامج 5	مخرج البرنامج 6	مخرج البرنامج 7	مخرج البرنامج 8	مخرج البرنامج 9	مخرج البرنامج 10	مخرج البرنامج 11	مخرج البرنامج 12	مخرج البرنامج 13	مخرج البرنامج 14	مخرج البرنامج 15
1	مخرج إذاعة 1	√	√	√			√									√
2	مخرج إذاعة 2		√	√									√		√	
3	مخرج إذاعة 3		√	√					√							√
4	مخرج إذاعة 4		√			√							√		√	
5	مخرج إذاعة 5		√				√								√	√
6	مخرج إذاعة 6			√							√		√	√		
7	مخرج إذاعة 7					√	√					√		√		
8	مخرج إذاعة 8			√							√	√		√		
9	مخرج إذاعة 9	√												√	√	√
10	مخرج إذاعة 10					√			√			√		√		
11	مخرج إذاعة 11			√					√						√	√
12	مخرج إذاعة 12					√			√			√		√		
13	مخرج إذاعة 13						√		√	√		√				
14	مخرج إذاعة 14								√		√	√		√		
15	مخرج إذاعة 15				√		√								√	√

مصفوفة ربط مخرجات تخصص العلاقات العامة والإعلان

بالمخرجات التعليمية للبرنامج

مصفوفة ربط مخرجات تخصص العلاقات العامة والاعلان بالمخرجات التعليمية للبرنامج

	المخرجات التعليمية للبرنامج مخرجات تخصص العلاقات العامة والإعلان	مخرج البرنامج 1	مخرج البرنامج 2	مخرج البرنامج 3	مخرج البرنامج 4	مخرج البرنامج 5	مخرج البرنامج 6	مخرج البرنامج 7	مخرج البرنامج 8	مخرج البرنامج 9	مخرج البرنامج 10	مخرج البرنامج 11	مخرج البرنامج 12	مخرج البرنامج 13	مخرج البرنامج 14	مخرج البرنامج 15
1	مخرج علاقات 1	√	√	√												
2	مخرج علاقات 2	√		√			√									
3	مخرج علاقات 3	√	√		√	√						√				√
4	مخرج علاقات 4	√		√		√			√							
5	مخرج علاقات 5	√	√	√			√									
6	مخرج علاقات 6						√		√						√	√
7	مخرج علاقات 7			√		√			√		√	√		√		
8	مخرج علاقات 8					√	√				√	√		√	√	
9	مخرج علاقات 9					√			√		√			√	√	
10	مخرج علاقات 10			√		√			√		√	√		√		
11	مخرج علاقات 11		√				√		√			√			√	√
12	مخرج علاقات 12						√		√						√	
13	مخرج علاقات 13														√	
14	مخرج علاقات 14										√	√		√		
15	مخرج علاقات 15											√				

مصفوفة ربط مخرجات تخصص التصميم الجرافيكي

بالمخرجات التعليمية للبرنامج

مصفوفة ربط مخرجات تخصص التصميم الجرافيكي بالمخرجات التعليمية للبرنامج

م	المخرجات التعليمية للبرنامج مخرجات تخصص التصميم الجرافيكي	مخرج البرنامج 1	مخرج البرنامج 2	مخرج البرنامج 3	مخرج البرنامج 4	مخرج البرنامج 5	مخرج البرنامج 6	مخرج البرنامج 7	مخرج البرنامج 8	مخرج البرنامج 9	مخرج البرنامج 10	مخرج البرنامج 11	مخرج البرنامج 12	مخرج البرنامج 13	مخرج البرنامج 14	مخرج البرنامج 15
1	مخرج جرافيك 1	√	√			√	√					√				
2	مخرج جرافيك 2		√		√						√			√		
3	مخرج جرافيك 3	√	√	√			√				√					
4	مخرج جرافيك 4	√		√	√	√										
5	مخرج جرافيك 5		√	√		√			√							
6	مخرج جرافيك 6		√	√	√				√						√	
7	مخرج جرافيك 7		√		√	√		√					√			
8	مخرج جرافيك 8			√	√	√					√					√
9	مخرج جرافيك 9	√	√		√	√						√				
10	مخرج جرافيك 10		√	√	√	√								√		
11	مخرج جرافيك 11	√				√	√				√					√
12	مخرج جرافيك 12			√	√			√	√		√			√		
13	مخرج جرافيك 13		√	√			√		√	√						
14	مخرج جرافيك 14		√				√	√				√				√
15	مخرج جرافيك 15				√	√						√				√

General Education Program

The General Education Program (GEP) at Ajman University is a vital component of tertiary education associated with a range of University requirements intended to lay the ground for students' future progress and development, academically as well as professionally.

The main purpose of the GEP is to enable all students to attain the fundamental broad base of knowledge, skills and competences that all university-educated adults must have no matter what their area of specialization is.

In addition, the GEP seeks to develop students' specific competences pertinent to enjoying autonomy and responsibility for their learning, interaction with others, pursuing self–development and deploying what they have acquired in real life situations.

Required and elective general education courses are designed to establish strong intellectual foundation for all specializations, regardless of the degree and number of credits required. These courses are added on top of the mandatory major courses with the intent to broaden knowledge beyond what is required in the student's specialization.

GEP courses develop skill acquisition in oral and written communication, information technology, innovation, quantitative analysis, critical thinking as well as certain aspects in the humanities, arts, and natural sciences. Their selection is based on originality, modernity, relevance and coherence.

On successful completion of the general education program, the student will be able to:

Knowledge

- Understand key concepts and issues in languages, religion, history, society, environmental issues, and natural resources.
- Demonstrate knowledge of basic principles in statistics, information technology, critical thinking and innovation, together with their applications.

Skill

- Communicate effectively orally and in writing and deploy a range of presentation techniques.
- Select and deploy a range of relevant information search/retrieval techniques, and appropriate tools.

Competence

- Interpret and present quantitative data effectively.
- Demonstrate the ability to comprehend multiple perspectives and formulate effective actions.
- Take responsibility for his own future learning needs.

Offered General Education Courses

In line with CAA standards 2011, every AU student is required to complete a general education program by completing one or more university-level courses in each of the following areas:

I. English, Arabic or other languages
II. Humanities or arts
III. Natural sciences
IV. Information technology or mathematics
V. Social or behavioral sciences
VI. Islamic studies, history, or culture
VII. Statistics courses

In addition, the Ministry has recently introduced a new compulsory course on "Innovation and Entrepreneurship".

AU GEP consists of 30 credit hours among which 15 credits are compulsory to all students and 15 credit hours of university electives to be chosen from a large number of courses covering the different areas of general education.

List of compulsory courses (15 credit hours)

Area	Course Name	Course code
English, Arabic or other languages	Communication Skills in Arabic *(3 credits)*	ARB 111, ARB 112, ARB 114
Information technology or Mathematics	IT Fundamentals *(3 credits)*	COM 111
Islamic studies, History, or Culture	Islamic Culture *(3 credits)*	ISL 112, ISL 114
Other Compulsory courses	Statistics *(3 credits)*	STA 111, STA 112
	Innovation and Entrepreneurship *(3 credits)*	INN 311

List of elective courses (15 credit hours)

Area	Course Name	Course code
The humanities or arts	**One course (3 credits) from the following list:**	
	Introduction to Hadeeth and Sunna	ISL 211
	Technical Writing (English)	ENG 112
	Introduction to Digital Photography	ART 211
	French Language	FRE 211
	Principles of Architecture and Art	ARC 211
	Principles of Interior design	DES 211
	Introduction to Art	ART 111
	The Art of Written Expression (Arabic)	ARB 113
	The Art of Public Speaking (English)	ENG 211
	Islamic Civilization	ISH 211
	Legal Culture	LAW 111
The natural sciences	**One course (3 credits) from the following list:**	
	General Physics	PHY 111
	Astronomy	AST 211
	General Chemistry	CHM 111
	General Biology	BIO 111
The social or behavioral sciences	**One course (3 credits) from the following list:**	
	General Psychology	PSY 111
	Economic Concepts	ECO 211
	Entrepreneurship development	ENT 211
	Emirates Society	EMS 111
	English Communication Skills	ENG 111
	Introduction to Communication Sociology	SOC 111
	Information Society	INF 211
	Media Culture	INF 112
	Communication Between Cultures	SOC 112
	Library Information System	INF 113
	Family System	SOC 113
Optional courses	**Two courses (6 credits) from an approved list of College designated general education courses.**	

Laboratories:

The GEP overseas six laboratories, as follows:

1. English Language laboratories (two labs; male and female)
2. Statistics laboratories (two labs; male and female)
3. Computer Application laboratories (two labs; male and female)

Recently, the capacities of the four Statistics and Computer Application labs, in order to accommodate a total of 30 students at once. This expansion comes after a high demand on those labs and to facilitate students' registration.

E-Learning:

The faculty of the GEP are also using the E-Learning system and MOODLE to enhance the learning process by giving students the opportunity, of accessing the teaching materials off campus via Internet.

Intensive English Program:

The Intensive English Program (IEP) has two strands: TOEFL and IELTS. The student is free to choose either. Each of which has two levels: Advanced and Intermediate.

Students whose score is between 480 and 499 on TOEFL or Band 4.5 on IELTS are eligible to register in the Advanced Level. Students whose score is between 450 and 479 on TOEFL, or Band 4 on IELTS are eligible to register in the Intermediate Level. The table below summarizes this information.

Level	TOEFL		IELTS
	Paper-Based	Internet-Based	
Advanced (AD)	480-499	54-60	Band 4.5
Intermediate (INT)	450-479	45-53	Band 4

The student who starts in the Intermediate Level can register in the Advanced Level when he gets the required score as shown in the table

IEP Organizations

Level	Organization	Other Courses
Advanced	Contact teaching hours: 6 + 3 for Independent Learning in the English Lab.	Up to 3 additional courses from the General Education Program
Intermediate	Contact teaching hours: 12 + 3 Independent learning in the English Lab	2 additional courses from the General Education Program

IEP Structure

The Advanced Level Program is a program that consists of 9 contact hours per week during 15 weeks. It is suitable to students whose English Proficiency is close to the minimum required level to be admitted in a Program taught in English. It covers the following components:

1. Listening

The central object of the listening components is to enhance and develop student competence to enable him/her to understand the English language in both academic and social settings. At the beginning of the listening component, emphasis is given to skills such as understanding conversation, identifying main and detailed ideas, and interacting with other students and lecturers in social settings. Later, more emphasis will be placed on comprehending conversations and talks, taking lecture notes and being aware of the structure of a lecture.

2. Speaking

The objective of the speaking component is to enable students to communicate in English appropriately, fluently and successfully in both academic and social settings where they are required to ask and answer questions, agree and disagree, express their opinions clearly with supporting evidence, give presentations and take part in short debates and discussions.

3. Reading

The main objective of the reading component is to enable students to become good readers, by developing in them reading skills such as text comprehension, appropriate speed, reading with a purpose, skimming, scanning, etc. In order to achieve these aims, students will be exposed to a diverse range of text forms and genres.

4. Writing

Since writing is viewed as a process, it is imperative that students acquire and develop the different steps of the writing process: generating ideas; organizing ideas; editing; revising, etc. Emphasis is also given to grammatical accuracy, lexical appropriateness, fluency and coherence.

5. Vocabulary

Rather than being developed in isolation, vocabulary is integrated into all skills. The main aim of the vocabulary component is to expand and enrich the student vocabulary repertoire and enable them to acquire academic vocabulary pertinent to their university studies.

6. Grammar

Like vocabulary, grammar is not developed in isolation, and is also integrated into the four skills of listening, speaking, reading and writing. The ultimate aim of this component is to enable students to acquire both the rules of usage (accuracy) and at the same time to acquire the rules of use (appropriateness) in both spoken and written discourse.

7. Test-taking strategies

In addition to the components listed above, test-taking strategies are an essential element and are incorporated into the program.

Courses of the TOEFL Programs:

Course Code	Seq.	Course Name	Weekly Hours
TOE 111	2	TOEFL AD/ Grammar & Test Practice	3
TOE 112	2	TOEFL AD/ Independent Learning	3
TOE 113	2	TOEFL AD/ Listening, Speaking & Reading	3
TOE 114	2	TOEFL INT/ Grammar	3
TOE 115	2	TOEFL INT/ Independent Learning	3
TOE 116	2	TOEFL INT/ Listening & Speaking	3
TOE 117	2	TOEFL INT/ Reading	3
TOE 118	2	TOEFL INT/ Vocabulary/ Test Practice	3

Courses of the IELTS programs:

Course	SEQ.	Course Name	Weekly Hours
TEL 111	3	IELTS AD/ Independent Learning	3
TEL 112	3	IELTS AD/ Listening & Speaking	3
TEL 113	3	IELTS AD/ Reading & Writing	3
TEL 114	3	IELTS INT/ Independent Learning	3
TEL 115	3	IELTS INT/ Listening	3
TEL 116	3	IELTS INT/ Speaking	3
TEL 117	3	IELTS INT/ Reading	3
TEL 118	3	IELTS INT/ Writing	3

Students exit the IEP successfully if they achieve one of the following:

TOEFL			IELTS
Paper-Based	Computer-Based	Internet-Based	Band
500	173	61	5

Course Descriptions

TOEFL INTERMEDIATE/ADVANCE (16 Hours)

The course gives students intensive practice in language skills: listening, reading and writing. It also focuses on vocabulary and grammar together with test-taking strategies in order to develop proficiency in the English language and perform efficiently in the TOEFL exam. Learning takes place in a user-friendly and anxiety-free environment.

IELTS INTERMEDIATE/ADVANCE (24 Hours)

IELTS requires proficiency in the four language skills: listening, speaking, reading and writing. Students are exposed to intensive practice so as to develop their communicative competence. They learn in a user-friendly and anxiety-free environment, making use of the different resources such as the English lab.

I.Compulsory Courses:

Islamic Culture (Non-Arabs): ISL 112 (3 Cr. Hrs.)

This course aims to develop the student's understanding of the Islamic Culture and Thought. It familiarizes students with the Islamic vocabulary, concepts and values as well with a clear and detailed background on the religion of Islam. This course discusses the concept of culture, introduction to Islam, Islamic faith and beliefs, sources of legislation and characteristics of Islam, and also deals with some contemporary topics such as: the concept of human rights in Islam, woman status, globalization and environment.

Islamic Culture: ISL 114 (3 Cr. Hrs.)

This course aims at providing students with knowledge about culture, Islamic faith and beliefs, sources of legislation and characteristics of Islam. It will also deal with some contemporary issues from an Islamic perspective such as human rights, women status, globalization and environment.

Communication Skills in Arabic Language: ARB 112 (3 Cr. Hrs.)

The course discusses fundamentals of communication in Arabic with regard to its significance, components and goals. The course aims at developing the skills of listening; speaking, reading and writing which students need for their professional and social life. Throughout the course, participants discuss and analyze a variety of literary and scientific texts.

Communication Skills in Arabic Language (Non-Arabs): ARB 112 (3 Cr. Hrs.)

This course aims at providing non-Arab students with Communication Skills in the Arabic language. It focuses on the following skills: reading, writing, speaking and listening. It also aims at encouraging students to communicate in Arabic in their environment, university and society.

Communication Skills in Arabic Language- E: ARB 114 (3 Cr. Hrs.)

This course aims at providing students with communication skills in the Arabic language, such as: listening, reading, writing, and speaking. These skills are taught and achieved through the use of selected texts from traditional poetry, modern poetry and prose. There is also an emphasis on students' academic and cultural surroundings in which they live and interact with.

Statistics (Science): STA 112 (3 Cr. Hrs.)

This course aims at acquainting students in sciences subjects with the basic statistical methods and concepts. The course deals with data organization and calculation of descriptive measures. It also covers probability concepts and probability rules. This course includes discrete and continuous probability distributions where the emphasis is on the binomial, the Poisson and the normal distribution. This course introduces students to inferential statistics: it includes confidence intervals and hypothesis testing of a population parameters. The last part of this course includes simple linear regression analysis its application.

Statistics (Arts): STA 111 (3 Cr. Hrs.)

This course is designed for students who need to gain skills in basic statistics knowledge. It covers the essential statistical topics that Arts students expected to know. The first part of the course deals with basic statistical terminology, data organization and calculation of descriptive measures. The second part covers the basic concepts of probability and some important probability rules. The third part covers the discrete and continuous probability distributions, where the emphasis is on the binomial and the normal distribution. The fourth part covers the relationship between groups of data (bivariate correlation and regression and its applications to the time series forecasting.

This course is offered both in Arabic and English, according to language of studying for Arts majors.

Environmental Sciences: ENV 111 (3 Cr. Hrs.)

This course is designed for students who need to gain knowledge in environmental sciences in general. Special emphasis is given to water and energy resources because of their importance in the Arab region and the world. The course includes three basic modules: environment, water and energy. The environment module covers the population dynamics, natural resources, pollution, remote sensing and GIS applications, protection and managing of the environment and sustainable development. The water module discusses the hydrologic

cycle, basics of hydrogeology and water quality and water-related problems in the Gulf region. The third module covers the conventional and non-conventional energy resources and reasons of its depletion, methods of production, using, managing, and sustaining it on the long run.

This course is offered both in Arabic and English, according to language of studying for each major.

IT Fundamentals: COM 111 (3 Cr. Hrs.)

With the explosion of computer technology, knowledge of computing applications as tools for all disciplines has become a necessary asset. This course is an introduction to the most common software applications and includes hands-on use of microcomputers and some of the major commercial software. These software packages include typical feature such as word processing, spreadsheets, presentations, and other features found in current software packages. On course completion, students will exhibit proficiency with software applications and demonstrate knowledge of computer concepts and components.

This course is offered both in Arabic and English, according to language of studying for each major.

Innovation and Entrepreneurship: INN 311 (3 Cr. Hrs.)

This course is developed for the UAE based on decades of practices and experiences of teaching innovation and entrepreneurship at Stanford University that has fueled innovation and high growth in Silicon Valley. The goal of the course is to equip the next generation of leaders in the UAE with an innovative and entrepreneurial mindset and its related core skills.

This course is offered both in Arabic and English, according to language of studying for each major.

II.Elective Courses:

Legal Culture: LAW 111 (3 Cr. Hrs)

The course addresses itself to general legal concepts at a macro level of generality such as the rule of practice and its characteristics, sources of obligation with reference to the rules of malpractices. It also deals with: the trader, commercial business and documents; labor law, rights and duties of workers, termination of contracts and penal law illustrated by common crimes such as robbery, fraud etc. In addition, matters related to administrative decisions are covered such as the employee rights and duties, the marriage contract and the wife's rights and duties.

French Language: FRE 211 (3 Cr. Hrs)

This is a an introductory course designed to enable students with no previous experience in French to express simple idea, to respond to simple information orally and in writing and to interact satisfactorily in a limited number of everyday situations and social encounters. The French language is introduced through communicative activities intended to develop oral

communication skills and listening comprehension skills. Emphasis is placed on learning basic grammar and vocabulary necessary for successful communication while laying a foundation for further study.

Introduction to Art: ART 111 (3 Cr. Hrs)

This Course provides an exploration of various art mediums and techniques and an understanding of the art elements and principles. A vocabulary of art will be introduced to the students in order to analyze artworks individually or in-group. This art course helps students with creative thinking skills, expressive abilities, and visual problem solving methods. Students will be aware of the art history & cultural context and interdisciplinary connections between art and other fields.

Critical Thinking: THI 211 (3 Cr. Hrs.)

The Critical and creative Thinking course is an important course for all professionals in order to succeed in real life situations. Critical creative Thinking is the process by which we develop and support our beliefs, and evaluate the strengths of arguments made by others. This is an introductory course, which covers the basic principles and concepts of creative and critical thinking, designed to enhance the student's ability to evaluate various forms of reasoning as found in everyday life situations as well as in all academic disciplines. The course will deal with how to critically conduct inquiry about various contemporary issues. The course will focus on topics such as inductive and deductive reasoning, the nature and function of definitions, types of fallacies, the use and misuse of statistics, and the basics of logic. In addition to the skills and techniques of creative thinking.

General Psychology: PSY 111 (3 Cr. Hrs)

The General Psychology Course provides students with basic concepts, methods, techniques and theories of Psychology as applied to the field and practice of several academic specialties, e.g. Dentistry, Business Administration, Foreign languages, Media & Communication, Engineering, and other majors. The course also introduces areas of Psychology dealing with biology, learning, motivation, human development, personality, psychological illnesses, and other topics.

Fundamentals of Human Nutrition: NUT 111 (3 Cr. Hrs.)

This course discusses the fundamental principles of human nutrition and their application to food selection. Emphasis is placed upon the Essential Nutrients and their vital importance as well as the recommended dietary allowances and other dietary guidelines, which promote health maintenance and disease prevention. Moreover, answers to the questions of "What is Nutrition, why is it important for our life and how easily to adjust the life style based on what is learned" will be highlighted. It is an integrated method to deliver accurate nutritional sciences and information in an easy- to- understand, entertaining and enjoyable format. Moreover, the information is personalized in a way which is easy to be applied to the individual life style.

First Aid: AID 111 (3 Cr. Hrs.)

This course aims to provide fundamentals of first aid science based on updated and scientifically proven resources. It starts by introducing students to First Aid concepts, and enables them to understand a universal approach towards a systematic management of emergency events, while covering selected medical and trauma emergencies. This course installs the understanding on how emergencies occur, and paves the way to understand the rationale behind injury prevention. The emphasis on injury prevention is evident through each chapter, where each unit will be concluded with injury prevention steps to the most common hazards leading to each emergency.

Research Methodology: RES 111 (3 Cr. Hrs.)

This course introduces students to a number of research methods useful for academic and professional investigations. Students would examine and acquire the main components of research framework i.e., problem definition, research design, data collection, ethical issues in research, report writing and presentation.

Astronomy: AST 111 (3 Cr. Hrs)

The course includes clarifying significance of astronomy, which aims at understanding mysteries of the universe. The course starts with historical context of astronomy and continues to explore later developments. The course includes the determination of coordinates of the astronomical Planetarium, and identifying the asteroids astrocytes; try to direct the ocean understand (the ground) and beyond (the Solar System and others), and the study of the moon and its relationship to the land and how calendars calculate and determine the phenomena related to his movement (tides, eclipses and eclipses, etc.). As well as the course involves realizing how to determine prayer timings and geographical trends in the nature and astronomical devices, which are used for such purposes, and also includes a study of the life of giant stars, nebulae, black holes and white dwarfs.

Emirates Society: EMS 111 (3 Cr. Hrs)

In this course, students are provided with the basic knowledge related to the nature of the UAE Society before and after the discovery of oil, and their effect on the political, geographical, cultural, social and educational aspects.

English Communication Skill: ENG 111 (3 Cr. Hrs)

The course aims to empower and develop students' skills and communicative competence in order for them to communicate successfully, appropriately and effectively in their academic life personal relationship and their social interaction which will directly impact on their dealings in their future workplace. It is an elective course tailored in a way to provide maximum student interaction and participation so as to facilitate and ensure the acquisition English communication skills and competencies. Also, reference will be done through drawing parallels between British culture and, other cultures, since culture plays an important role in human communication.

Economic Concepts: ECO 211 (3 Cr. Hrs)

This course is an integrated introduction to the analysis of individual firms and markets, as well as aggregate economic variables. These include inflation, unemployment and economic growth, with a focus on the state's role in attempts to regulate the economy. Thus, efforts will be focused on learning how societies use scarce resources to produce and distribute commodities among its various people.

The Art of Public Speaking (English): ENG 211 (3 Cr. Hrs.)

Through history, people have used public speaking as an important channel of communication. During modern times, many people around the world have spread their ideas and influence through the art of public speaking.

University education provides an excellent platform for students to develop the art of verbal communication. They do not only need this in their academic life, but also in their social life and future career. Therefore, students should develop the skills of effective communication in order to carry out different functions such as being able to prepare and organize ideas, inform, persuade and speak effectively on various occasions. The delivery must reflect the speaker's confidence, relaxation, fluency, appropriacy and clarity.

Islamic Civilization: ISH 211 (3 Cr. Hrs.)

Like other great civilizations, Islamic Civilization has great impact on humanity. Therefore, the course designed carefully for students to acquire its basic concepts. Then, the course highlights the spiritual, roles, physical, and cultural bases. Moreover, the course sheds lights on its important achievements in the various fields such as medicines, arts, literature, etc. Finally, the Islamic Civilization course concludes with how civilization contribute to enrich each other.

Entrepreneurship Development: ENT 112 (3 Cr. Hrs)

Based on the economic and social dimensions, the entrepreneurship development concept has become an imminent part of life. This course aims to highlight the economics of entrepreneurship, its role in venture creation and facilitation of capital resource. The course also aims at describing the management strategies for starting up businesses which necessarily includes the business plan. The course focuses on all the basic tenets of entrepreneurship development.

The Miraculousness of the Holy Koran & Sunna: ISL113 (3 Cr. Hrs.)

The course deals with the concepts of the Miraculousness of the Holy Kuran; its types and necessity; and the principles pertinent to it with special emphasis on its scientific dimension. It also covers the miraculousness in the Sunah to illustrate aspects of miraculousness based also on principles agreed upon by Muslim scholars.

Information Literacy: INF 111 (3 Cr. Hrs.)

This course will introduce students to the organization, retrieval and evaluation of electronic and print information. Students will be provided with an overview of college library systems, networked information systems, traditional scholarly resources, evolving delivery systems, and the concepts underlying the research process. Students will gain an understanding of the importance of the Internet as a research tool and the changing nature of information resources. Students will utilize electronic databases, the World Wide Web, and print resources. Students will be able to apply principles learned in this course to research assigned in other courses. Students will practice thinking critically when formulating research queries and evaluating information resources.

Technical Writing: ENG 112 (3 Cr. Hrs.)

This course is intended to develop Students' proficiency and communicative competence in technical/professional writing and oral presentation skills. Also, the course is practically oriented in order to apply what students have acquired rather than focus on theory, which may rapidly fade away without application. It is worth pointing out that the various activities and interactions are designed in a way to be major-specific so that students perceive the relevance of what they have acquired. Hence, both their intrinsic and extrinsic motivation is enhanced

Introduction to Digital Photography: ART 211 (3 Cr. Hrs.)

This course covers basic concepts and practice of digital photography, including understanding and use of the camera, lenses, and other basic photographic equipment. The course will address aesthetic principles as they relate to composition, space, exposure, light and color.

The Principles of Architecture and Art: ARC 211 (3 Cr. Hrs)

The course introduces the student to the world of architecture and art through a series of lectures which highlight this subject by exploring visual presentations, videos, and slideshows. In addition, the course gives the student the chance to practice what he has visualized by creating drawings, pictures, and other media outcomes as required.

Principles of Interior Design: DES 211 (3 Cr. Hrs)

The aim of this course is to introduce students to elements and principles of interior design and expose them to contemporary designs. Students will be able to understand the principles of interior design and appreciate its impact on their surroundings.

Introduction to Aesthetics: ART 112 (3 Cr. Hrs)

The aim of the course is to allow students to research and study the philosophy of aesthetics, discussing the problem of aesthetics concerns, the theory of beauty and the theory of arts. This course will enable students to develop knowledge for human life and culture, which would help them to utilize these aspects of aesthetics value in their professional practices and communication behavior.

Modern Technology and Society: SOC 211 (3 Cr. Hrs)

The course starts with defining key terms such as: science, engineering and technology then it deals with the history of technological developments that changed society, philosophical theories of interaction, ethical and legal issues pertinent to the use of modern technology and entrepreneurship in modern technology.

In addition, the course describes the roles modern technology play in shaping the lifestyle of individuals and society, and tin politics, the economy and health. Other issues such as: the impact of modern technology on the environment, how individuals interact with technology and immerging and future technology with its possible effects are also discussed.

Internet Concepts: INT 211 (3 Cr. Hrs)

This course is designed as an introduction to the Internet and World Wide Web. It starts by introducing the history of the Internet and includes the use of Internet applications and the basics of web page and web site production, and continues with matters such as Internet security, cookies, viruses, etc.

The Art of Written Expression: ARB 113 (3 Cr. Hrs)

The course analyzes writing practices within and across disciplines, recognizing the role writing plays in consolidating knowledge in a retrievable form which is easily accessible within each academic specialization. This course highlights the processes, practices and application of written expression in various academic fields. Students have the opportunity to develop a critical understanding of important discourses within their particular area of study.

Introduction to Information Systems: INF 212 (3 Cr. Hrs)

The purpose of this course is to introduce the topic of information systems (IS) and how organizations use it to support a variety of tasks ranging from basic, day-to-day, activities to creating competitive edge in the market place. It will focus on topics such as business process reengineering, collaborative computing, electronic commerce, the impacts of IS upon organizations and society, ethical use of information systems, types of information systems, and how to analyze and design information systems.

History of science in Islam: ISH 111 (3 Cr. Hrs)

The course consists of four units. In the first unit, we elaborate on introductory aspects related to history of science in general and the science in the context of Islamic Culture in particular. This unit includes: nature of human knowledge, the term science and scientific method, significance of the recent concern of studying history of science, scientific achievements of ancient nations and the cultural context of the scientific accomplishments of the intellectuals of the Islamic Culture. The second unit is devoted to the achievements of the scientists of this culture in medical sciences and prominent figures in these fields. In the third unit, we concentrate on the field of natural sciences, mathematics and prominent figures in these fields in the context of the Islamic Culture. Last, we discuss, in the fourth unit, agricultural endeavors

in the Islamic culture in addition to the impact of this culture on the scientific progress in Europe.

Scientific Pioneering: PIO 211 (3 Cr. Hrs)

The course consists of four distinct units. The first unit deals with human knowledge, introduction to epistemology, science and the scientific method and the nature of scientific explanation of observed phenomena. In the second unit, we study the societal influence on science, first by illustrating the theoretical basis of this influence, then by illustrating this influence via real societal examples extracted from ancient and recent history. The third unit is devoted to studying the salient features of modern science and technology, including particularly: science and natural resources and intellectual property and patents. In the last unit we discuss the scientific impact on human behavior and thought.

Principles of Mathematics: MTH 111 (3 Cr. Hrs)

This course deals with algebraic equations of degree 1 and 2, the elementary ideas of plane geometry; Cartesian coordinates system, equations of line, circles, linear inequalities and systems of inequalities are introduced. Also, basic notions of real functions such as limits, continuity, and differentiability are studied along with simple applications. In addition, basic knowledge about matrices and their algebra is provided.

General Physics: PHY 111 (3 Cr. Hrs)

This course is designed for students who need to gain knowledge about the applications of physics in everyday life. It also focuses on how to use logic and similarities to make difficult problems even simpler before we use mathematics. The course includes a statement of physical rules that govern the means of modern technology (television, radio, microwaves, mobile phones, computers, GPS). It also shows how to get electricity and how to use it, heat physics, food, motion, etc.

General Biology: BIO 111 (3 Cr. Hrs)

This course provides students with general knowledge in biology. The students are provided with a basic knowledge of chemistry of living materials, the cell structure, types and functions. The students are also provided with good knowledge concerning cell division, general embryology and genetics. A basic knowledge about the morphological features of the tissues and recognize their roles in forming organs and organisms integrates the above information. The students are also provided with brief knowledge concerning human health and common diseases.

General Chemistry: CHM 111 (3 Cr. Hrs)

The course aims to provide students with the basic knowledge of chemical principles needed for the daily life. It deals with the development of life on Earth from its origins (Chemistry of life, Cells) and the characteristics of living things.

Remote Sensing and GIS Applications: GIS 211 (3 Cr. Hrs.)

This course introduces students to the basic elements of spatial sciences, including Global Positioning System (GPS), Remote Sensing (RS) and Geographic Information System (GIS). Students are taught how to locate themselves and determine their direction with a GPS. Students will study data collection, acquisition and processing in a much wider way than the visible spectrum, including IR, UV and microwave zone of the electromagnetic spectrum in the RS. Finally, students will learn how to capture, store, retrieve, display and interpret data through GIS; identify the art of image interpretation and enhancement.

Communication Between Cultures: SOC 112 (3 Cr. Hrs.)

This course helps students develop practical skills for improving their communication with other cultures. The course teaches students the different levels of communication such as verbal and non-verbal communication and how to use them effectively in their daily life. The course enables the students to communicate successfully with people from different cultures.

Academic and Technological Ethics: ETH 111 (3 Cr. Hrs.)

The course is concerned about ethical issues related to the misuse of scientific and technological advances, miscommunication of scientific research results, the ethical aspects related to the actual practice of scientists in their scientific endeavors and the lack of ethics in all facets of academic character at all levels of educational standing. The course starts with clarifying the relevance of discussing ethical issues in the present age. Then it discuss examples of misbehaving by students and instructors in educational institutes at all levels, further we discuss examples of the random growth of modern technology without paying attention to ethical standards and finally we shed some light on the miscommunication and fraud in research results among scientists. Stress is made on case studies related to aspects mentioned above.

Oral Health: ORH 211 (3 Cr. Hrs)

This course defines the responsibilities of the individual within community dental health education with emphasis on the etiology of dental disease, methods for prevention, and principles of nutrition in relation to oral health and preventive dentistry

Educational Technology: EDT 211 (3 Cr. Hrs)

This course aims to help the students to refine, redefine, and reshape their perspectives and views of technology as they relate to their future career, society, teaching, learning, and training. It is designed to increase their basic awareness of technology concepts and to develop their skills in designing, training modules, using instructional and training system models, and the use of technology in professional development..

Introduction to Communication Sociology: SOC 111 (3 Cr. Hrs)

This course focuses on the inevitable social role of communication in society. The course clarifies some of the effects, functions and dysfunctions of mass communication in society.

The course concentrates on the role of communication in different social fields and analyzes its role in public service sectors and non- governmental organizations (NGOs)

The course is also intended to make students aware of sensitive topics to avoid using words that might offend or upset people.

Information Society: INF 211 (3 Cr. Hrs)

The course focuses on the information revolution in all fields around the world. It concentrates on the characteristics of the information society, its consequences, challenges and future implications on Arab society under the information revolution and the international information market map.

Media Culture: INF 112 (3 Cr. Hrs)

This course aims to enable students to acquire the competencies of using the mass media in a smart way. This can be realized by introducing the students to the mass media available in contemporary societies, the criteria and ethics of information industry and the different influences of information on the society namely the social; cognitive, affective and behavioral influences.

Academic Calendar 2018 – 2019

Academic Calendar for Fall Semester

Academic Year 2018 – 2019

Day	Date	Description
Sunday	August 26, 2018	Faculty members report to work
		11:00: Deans welcome the new students
		12:00-13:00: Tour of the campus
		13:00-14:00: Tutorial session on course registration
Sunday-Thursday	August 26 - 30, 2018	Course registration for continuing & new students
		Examinations for incomplete removal
		Period for accepting credit transfer requests
		Period for accepting changing major requests
Sunday	September 2, 2018	Beginning of classes
Sunday-Thursday	September 2 - 6, 2018	Add & drop period
Thursday	September 6, 2018	Last date for dropping courses or registration suspension with 100% refund
Sunday - Thursday	September 9 - 20, 2018	Period suspension of registration with 50% refund
Tuesday	September 11, 2018	Al Hijra holiday
Thursday	September 27, 2018	Last date for dropping courses
Saturday – Sunday	October 20 – 21, 2018	Graduation Ceremoney for Spring and Summer Semester 2017-2018
Sunday-Thursday	Oct. 21 –Nov. 1, 2018	Mid-term examinations period
Sunday	November 4 , 2018	Beginning of admission period for spring semester 2018-2019
Tuesday	November 20, 2018	Al Mawlid Al Nabawi holiday
Thursday	November 22, 2018	Last date for withdrawal
Sunday-Thursday	Nov. 25 –Dec. 13, 2018	Period for course evaluation
		Early registration for spring semester 2018-2019
Friday	November 30, 2018	UAE Martyr's Day
Sunday - Monday	December 2 - 3, 2018	UAE National Day holiday
Wednesday	December 12, 2018	Last Day of Classes
Thursday – Sunday	December 13 – 23 , 2018	Final examinations period
Tuesday	December 25, 2018	Make-up Exam
Sunday-Thursday	Dec. 30, 2018-Jan. 10, 2019	Fall-Semester vacation

Islamic holidays are determined after sighting the moon. Thus, actual dates may not coincide with the dates in this calender.

Academic Calendar for Spring Semester

Academic Year 2018 – 2019

Day	Date	Description
Sunday	January 13 , 2019	11:00: Deans welcome the new students
		12:00-13:00: Tour of the campus
		13:00-14:00: Tutorial session on course registration
		Course registration for continuing & new students
		Examinations for incomplete removal
		Period for accepting credit transfer requests
		Period for accepting changing major requests
Sunday	January 20, 2019	Beginning of classes
Sunday-Thursday	January 20 - 24, 2019	Add & drop period
Thursday	January 24, 2019	Last date for dropping courses or registration suspension with 100% refund
Sunday-Thursday	Jan. 27 – Feb. 7, 2019	Period for suspension of registration with 50% refund
Thursday	February 14, 2019	Last date for dropping courses
Saturday-Sunday	Februrary 23-24, 2019	Graduation Ceremoney for Fall Semester 2018-2019
Sunday-Thursday	March 10 - 21, 2019	Mid-term examinations period
Wednesday	April 3, 2019	Al Isra'a Wal Mi'raj holiday
Sunday-Thursday	March 24 – April 4, 2019	Spring semester vacation
Sunday	April 14, 2019	Beginning of admission period for Fall Semester 2019-2020
Thursday	April 25, 2019	Last date for withdrawal
Sunday-Thursday	April 28 - May 9, 2019	Period for course evaluation
		Early registration for Summer Semester 2018-2019
Sunday - Thursday	May 12 - 23, 2019	Early registration for Fall Semester 2019-2020
Thursday	May 16, 2019	Last Day of Classes
Saturday - Monday	May 18 – 27, 2019	Final examinations period
Tuesday	May 28, 2019	Make-up Exam
Sunday	June 2, 2019	Beginning of Summer vacation

Islamic holidays are determined after sighting the moon. Thus, actual dates may not coincide with the dates in this calender.

Academic Calendar for Summer-1 Semester

Academic Year 2018 – 2019

Day	Date	Description
Sunday	June 9 , 2019	Beginning of classes
Sunday - Monday	June 9 - 10, 2019	Course registeration for registering late students
		Add & drop period
Sunday	June 30, 2019	Beginning of mid-term examinations
Thursday	July 11, 2019	Last date for withdrawal
Saturday - Sunday	July 20 - 21, 2019	Final examinations period

N.B: 2 hours per class session.

Academic Calendar for Summer-2 Semester

(Field training) Academic Year 2018 - 2019

Day	Date	Description
Sunday	July 28 , 2019	Beginning of training
Saturday - Tuesday	August 10-13, 2019	Arafat Day, Eid Al-Adha holiday
Thursday	September 5, 2019	End of 6 weeks training
Thursday	September 19, 2019	End of 8 weeks training

Islamic holidays are determined after sighting the moon. Thus, actual dates may not coincide with the dates in this calender.

Office of Admissions & Registration

University Registrar

Glossary of Terms

The terms defined below are mostly based on the definitions given in CAA's *Standards* 2011. Other terms have been added for the sake of completeness.

College. An administrative unit within the University, comprising of one or more departments, to offer undergraduate and graduate programs, such as College of Dentistry or College of Engineering and IT. Each college has a Dean to oversee the operation of the college.

Undergraduate. A student enrolled on a bachelor's degree or taking undergraduate courses.

Baccalaureate or Bachelor's degree. The Baccalaureate (Bachelor's degree) is awarded after completing undergraduate program of study typically completed in four to five years of full-time study, with a minimum of 120 semester credits. The most common undergraduate degrees are Bachelor of Art (BA) and Bachelor of Science (BSc).

Graduate Diploma. A graduate diploma typically includes one year or at least 24 semester credits (or equivalent) of course work beyond the bachelor's degree.

Master's degree. A Master's degree typically requires at least one year of study, or a minimum of 30 semester credits of course work (or equivalent) beyond the bachelor's degree. The minimum credits are not inclusive of any non-credit bridge courses which may be required. A Master's degree often, though not always, requires a substantial research paper, a thesis, or a project.

Academic Doctorate. It requires one or more years of coursework beyond the master's degree as well as academic research. Doctorates are nearly always awarded in recognition of academic research that is of a publishable standard and that represents some original contribution to human knowledge. The research is usually assessed by submission and defense of a doctoral thesis or dissertation. The usual degree title is the PhD (Doctor of Philosophy).

Professional Doctorate. A professional doctorate requires a minimum of one year of coursework beyond the master's degree and independent research. The emphasis of the degree is on research skills and advanced professional knowledge in an applied field of specialization. Examples include the Doctor of Education (EdD), Doctor of Psychology (PsyD), and Doctor of Business Administration (DBA).

Course. A *course* consists of a number of instructional activities over a prescribed period of time. It deals with a single subject and is commonly described by title, number, credits, and expected learning outcomes in the University Catalog.

Program. The set of courses and other formally established learning experiences which together lead to a qualification. *Program* may also refer to a specific aspect of the curriculum, such as the general education *program*.

Curriculum. The term refers both to the range of courses offered by the University and to a set of related courses constituting an area of specialization, such as the electrical engineering *curriculum.*

Course Syllabus. A description of course goals, course learning outcomes, contents, assessment instruments and grading criteria, week-by-week study plan, examination dates, etc. that is provided to the students at the beginning of their classes.

Credit or Credit Hour. A credit, or credit hour, is a unit of measurement defining the student's overall effort towards attaining a qualification. One semester credit or credit hour equals approximately 1 hour of time in class per week over a semester of 15 weeks or longer. For laboratory, 1 semester credit normally is given for two hours of laboratory time per week over a 15-week semester.

Credit Load. The total number of credit hours a student can register during a specific semester.

Semester. A *semester* is a period of time, typically a minimum of 15 weeks, during which the University offers courses. Some courses may be offered in a time-shortened period, such as summer semester, which nonetheless offers class contact time and out-of-class assignments equivalent to a semester course. AU offers courses in fall and spring semesters and optionally in summer semester.

Academic Calendar. It represents important semester-specific dates and deadlines for students, academic and administrative departments, and instructors.

Academic Year. The period of instruction composed of the fall, spring, and summer semesters. The academic year begins at the start of the fall semester and ends after the last day of the summer semester.

Add/Drop Period. Days set aside by the University for students to change their study schedule by adding or dropping courses in a specific semester.

Graduate Student. A student who has enrolled in a Graduate Diploma, a Master's or Doctoral degree program.

Academic Advisor. A faculty member who advises students on their study plan and course selection, monitors their academic progress, assists in their career planning, and guides in other academic and non-academic matters.

Academic Warning. A graduate student is issued an academic warning if his/her CGPA falls below 3.0 at the end of a semester. Such a student is said to be not in good academic standing. If this also happens at the end of another semester, the student is issued second academic warning and placed on academic probation.

Academic Dismissal. If a graduate student on academic probation (with two academic warnings) fails to raise his/her cumulative GPA (CGPA) at the end of the next semester, the student is academically dismissed from the University.

In-Progress (IP). A grade indicating that a course is still in progress and will be completed at a later date.

Conditional Admission. A student may be give conditional admission requiring him/her to successfully complete some specified coursework and/or fulfill other requirements in order to progress into the full set of courses within an academic program.

Learning Outcomes. Refers to knowledge, skills, and aspects of competence that a student is expected to know and be able to do at each level of qualification.

Credit Transfer. A system whereby successfully completed unit of study contributing towards a degree can be transferred from one program to another within AU or from another university to AU.

Prerequisite. A course or courses that serve as foundations for continued (advanced) courses. A student must successfully pass a prerequisite course before taking a course for which it is a prerequisite.

Electives. Courses which are not compulsory for students. *Electives* may be *free*—selected by the student from any course offerings, or *restricted*—chosen from a pre-determined list of options.

Developmental or Remedial Courses. Such courses prepare a student for enrolling in a regular curriculum, and aid the student in rectifying an area or areas of deficiency. Developmental or remedial courses are non-credit courses and do not count toward the requirements of an academic qualification. The University limits the number of credit-bearing courses that a student may take while enrolled in developmental or remedial courses.

Bridge Program. A program intended to bridge the gap between a student's prior work and the background required for the program he/she is entering. Typically such a program would

be needed by students entering graduate business education where the student's undergraduate major was in an area other than business, or graduate engineering programs where the student's major was in a different engineering specialty. The courses in a bridge program typically do not carry degree credit. The University may choose to require enrollment in bridge programs as a condition of admission.

Directed Study/Independent Study. A course in which a student is individually supervised by a faculty member, which enables a student to undertake a learning opportunity which is otherwise unavailable. Directed learning or independent study courses must have an appropriate learning plan (typically a syllabus), learning outcomes, end of term evaluations and appropriate assessment.