

# Department of Business Networking & Systems Management

## 1. AIMS OF THE PROGRAM

The program aims to:

1.	Develop the capacity to learn and practice as competent professionals and make a positive contribution to society.
2.	Build self-confidence and problem solving abilities in a variety of work situations.
3.	Develop awareness of the social, organizational, and professional context in which they will be working and be sensitive to cultural, moral, and political issues.
4.	Contribute to and take an active part in a range of commercial, industrial, and academic activities.
5.	Exhibit a broad range of skills and activities related to the management and operation of typical business concerns .
6.	Recognize the potential of emerging technologies and the globalization aspects in the context of modern day business practice and acquire a spirit of lifelong learning.
7.	Meet and maintain standards set by professional bodies and understand the terminology, practices, tools and techniques in the operation of typical business ventures.
8.	Inculcate a spirit of research and enquiry through suitable mechanisms: such as the Department research and staff development activities.
9.	Cultivate transferable skills such as verbal and written communication, teamwork, leadership, etc

## 2. INTENDED LEARNING OUTCOMES OF THE PROGRAM

<b>A. Knowledge &amp; Understanding</b>	
Able to:	
<b>A1.</b>	Communicate effectively at a spectrum of different levels and set up suitable channels of communication between various parts of an organization.
<b>A2.</b>	Perform and evaluate research with a view to acquire new knowledge and to utilize it in practice where possible. Management etc;
<b>A3.</b>	Use theoretical concepts and practical network design tools to design and demonstrate typical business cases.
<b>A4.</b>	Gain a coherent understanding of networking and information systems theories and develop entrepreneurial skills through analysis and synthesis of large volumes of information.
<b>A5.</b>	Be multidisciplinary in approach, understand the competitive nature of ICT business and foster attitudes of tenacity which help to succeed in demanding circumstances.
<b>A6.</b>	Ability to design and applying software engineering principles and standards to the process.
<b>A7.</b>	Be able to understand operating systems concepts and the ability to install, use, configure, and troubleshoot different operating systems and network programs, used to manage today's
<b>A8.</b>	Communicate effectively with peer groups about professional and business networking and information systems matters.
<b>A9.</b>	Self-develop, self-learn, and engage in life-long learning.
<b>A10.</b>	Demonstrate knowledge and problem solving skills in the areas of data communications, concepts of internetworking, routing and switching, etc, in order to design, setup, administer,
<b>A11.</b>	Understand the network security issues and apply the related concepts for network protection and communication privacy.
<b>A12.</b>	Acquire the knowledge of the latest network technologies and future trends.



<b>Learning &amp; Teaching Processes (to allow students to achieve intended learning outcomes)</b>	<b>Assessment (of intended learning outcomes)</b>
Acquisition (A3,A4,A5,A7) are developed through lectures and tutorials and supported by regular coursework.	Testing of knowledge base is through a combination of unseen written examinations and assessed coursework. (A3,A4,A5,A7) is assessed in this way.
Acquisition of (A1,A2,A6,A8,A9,A10,A11,A12) are developed through lectures and supported by directed study of textbooks, lectures, seminars, and recently with e-learning method to give opportunity to students to be self- learners.	(A1,A2,A6,A8,A9,A10,A11,A12) are assessed in the form of essays, reports, assignments, single and /or group projects, and other set of assignments.

**Mapping of Program Learning Outcomes with Courses (Knowledge & Understanding)**

No.	Course No.	Course Name	A. Knowledge & Understanding											
			A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
1	0371248	Management Information Systems	M	L		L	H				M		L	L
2	0371350	E- Commerce	M	L		L	H				M		L	L
3	0371110	Programming Language	L	L	M			M				M		
4	0371120	Communication System & Computer Netw	L	L	L									M
5	0371211	Advanced Programming(1)		L	M			M						
6	0371212	Advanced Programming(2)	L	L	M			M				L		
7	0371214	Computer Operating Systems	L						H					
8	0371224	Computer Networks(1)	L		L						M	M		L
9	0371225	Computer Structure									M			
10	0371231	Database			M	L								
11	0371313	Data Structure		L	L	L								
13	0371326	Computer Networks(2)		L	M						L	H		L
14	0371327	Information Security & Confidentiality	L	L			L				M	M	H	L
15	0371332	Analysis & Design of Systems	M	L	L	M	L		H		M	L		
16	0371426	Networks Management	L		L				M		L	H	L	L
17	0371427	Wireless computer Networks			L							H	L	L
18	0371432	Software engineering	L	L		M		H			L	L		
19	0371452	Internet Technology		L	M	L	L	M			M			
20	0371435	Research Project 1		H	H	L	M			H		M	L	L
21	0371436	Research Project 2		H	H	L	M			H		M	L	L
22	0371491	Field Training in Networks		H		H	M			M	H	M	L	L
23	0371105	Fundamental Concepts of Computer	L								L	L		M

High: H , Medium: M, Low: L

<b>B. Intellectual Skills</b>	
Able to:	
<b>B1.</b>	Analyze a wide range of Business Networking & Systems Management problems, provide a suitable rationale of the analysis, and provide solutions through suitable text, diagrams,
<b>B2.</b>	Perform and evaluate research with a view to acquire new knowledge and to utilize it in practice where possible;
<b>B3.</b>	Use theoretical concepts and practical Business Networking & Systems Management design tools to design and demonstrate typical business cases;
<b>B4.</b>	Gain a coherent understanding of Business Networking & Systems Management theory and develop entrepreneurial skills through analysis and synthesis of large volumes of information;
<b>B5.</b>	Communicate effectively with peer groups about professional and business matters.



<b>Learning &amp; Teaching Processes</b>	<b>Assessment</b>
<p>Intellectual skills are developed through the teaching and learning program. Each course, whatever the format of teaching, involves practice in applying concepts orally and in writing, analysis and interpretation of materials, and individual feedback sessions for learners on work produced. Workshops and practical exercises more usually support skill development curricula and open learning materials are used extensively to facilitate individually paced skill acquisition and development.</p> <p>Project-based and student-tutor directed approaches are introduced to encourage the notion of learner independence and to promote application of developing competencies.</p>	<p>The assessment methods place great emphasis on the learner's ability to demonstrate skills (B1) - (B5) through the exams and the problem based exercises, the submission of coursework, reports, case studies, and set of assignments. Every student should submit a report for the practical training, and the graduation project, which provide a perfect vehicle to demonstrate capability in a range of intellectual skills linked to specialist knowledge, understanding and practical skills.</p>

<b>C. Practical Skills</b>	
Able to:	
<b>C1.</b>	Plan, organize, and operate Business Networking & Systems Management projects ranging over a wide scale of complexity;
<b>C2.</b>	Prepare and deliver coherent and well-structured reports which meet professional standards;
<b>C3.</b>	Utilize traditional methods and modern technology to present material and data at a professional level;
<b>C4.</b>	Gain competence in the use of new technologies to search for and retrieve suitable materials and make discriminating use of various available resources including the Electronic Library;
<b>C5.</b>	Communicate effectively at a spectrum of different levels and set up suitable channels of communication between various parts of an organization;
<b>C6.</b>	Be fully aware of and adapt to the rapidly changing and risk- oriented nature of real life business;
<b>C7.</b>	Gain competence in the use of special tools necessary in business decision-making situations.



<b>Learning &amp; Teaching Processes</b>	<b>Assessment</b>
<p>These skills are developed through opportunities to practice the activity in an appropriate learning context such as workplace placement. Guidance manuals may be used to support learning. All learners receive initial guidance on how to locate and use material available in textbooks, library and the Internet. The references provided for each module at the outset are for guidelines for the production of coursework, projects, essays, or reports.</p> <p>The reports that should be submitted for graduation project and the practical training modules enable students to achieve (C1, C2).</p>	<p>Coursework portfolios are considered as a mechanism for managing breadth and complexity and as an instrument for providing ongoing feedback. More huge assessment vehicles are the norm with significant opportunity for student negotiation of assessment around a theme through deployment of learning contracts.</p>

### D. Transferable Skills and Personal Qualities

Able to:

- D1.** Understand the importance of communication skills
- D2.** Work effectively with and for others;
- D3.** Strike a balance between self-reliance and seeking help when necessary in new situations;
- D4.** Manage time, prioritize workloads, recognize and manage emotion and stress levels;
- D5.** Utilize information management skills e.g. use of IT, office automation and new communication technologies as they become available;
- D6.** Be responsive to appraisal and recognize continuous learning and training as an integral part of professional practice;
- D7.** Be multidisciplinary in approach, understand the competitive nature of business and foster attitudes of tenacity which help to succeed in demanding circumstances.



Learning & Teaching Processes	Assessment
<p>All modules require coursework and regular feedback, which is given to the learners to develop not only their understanding but also their ability to design and write well-structured reports (D1). Skill (D2) is mainly developed through individual learning. Individuals or group learners develop skills (D3) and (D4) in classes, tutorials, seminars, workshops, which rely on discussion and interaction, as well as presentations given. Skill (D5) is learnt through the management of time to meet the various and sometimes conflicting deadlines for submissions of coursework. Skill (D6, D7) are learnt through tutorials. These skills are also developed through extra-curricula activities including work experience in social and cultural activities.</p>	<p>Effective communication of ideas is an important criterion in assessing all areas of a learner's work, and the regular feedbacks as well as the final mark reflect this. Skill (D2) is assessed through the assembly of necessary information for writing reports especially for the graduation project and the practical training modules, or for the preparation of the coursework. Skills (D3) and (D4) are assessed by both the coursework and the graduation project produced, which, although supervised, is nevertheless the result of independent thought and work/research by the learner.</p>



### 3. THE STRUCTURE OF THE PROGRAM

The College applies the Higher Education Accreditation Commission, Jordan which is based on the credit units. Students should complete a (Total of 132 credit hours) through 44 courses for the bachelor's degree.

### 4. CURRICULUM PROGRESSION: INTENDED LEARNING OUTCOMES FOR EACH YEAR

Outlined later in this *Handbook of Curriculum Design*.

### 5. STUDENT INDUCTION, SUPPORT AND DEVELOPMENT (in order to deliver the year learning outcomes)

Student induction, support and development are well-developed aspects with a framework, which provides support to the students throughout their program. The key mechanisms include the following:

- Induction procedures for new students at admission with access to senior members of staff. Induction for returning students is also implemented as it is beneficial in specifying the progressive nature of the learning experience, for example, higher order skills and independent learning. In both cases, many meetings are held between the Dean and the students and the Head of Department with the students.
- Provision of Academic tutor for each student
- Provision of good physical and learning resources including internet, library, and up to date electronic educational media, e.g. Email and web based material.
- Provision of good social facilities, e.g. internet cafes, sport spaces, cafeterias, etc.
- Provision of Self Study Facilities:
  - The Electronic Library
  - The College Web page that provides students with all relevant information such as:
- Undergraduate Handbook
- Program Specifications
- Lectures and course notes.
- Past Exams, tutorials, and assignments.
- Careers Advisory Service to provide information for students and graduates of the College.
- Student's opinion on the quality of the teaching is considered by completing a Module Evaluation Questionnaire for each module in each semester.
- Students' Memberships of various committees can add a voice in resource allocation and other matters.
- Drop-In center is utilized to enhance students' performance in some courses.
- Student Financial Aid is provided in two mechanisms: the first mechanism is through the Student work program. The second mechanism is through special Discount Scholarships provided by the College to students based on various criteria.
- Medical insurance.

## Mapping of the required courses in the Curriculum to the general Student Outcomes

Course No	Course Title	B. Intellectual Skills					C. Practical Skills							D. Transferable Skills and Personal Qualities						
		B1	B2	B3	B4	B5	C1	C2	C3	C4	C5	C6	C7	D1	D2	D3	D4	D5	D6	D7
0114101	Arabic Language Skills					H		H						H						
0130101	English Language Skill					H		H						H						
0130102	English Language Skill					H		H						H						
0250105	Business mathematic																			L
0310110	Principles of Accountin											L								
0320108	Research methods & Statistics				H			L	M								H	H	L	
0320150	Principles of Microeconomics												L							
0320211	Financial Management									L										
0350110	Principles of Marketing																M			
0330110	Introduction to Manage					H					H	H		L						
0320208	Administrative statistic												M							M
0330223	Operation management Production				M	H		L												
0410322	Business Ethics																			
0761111	Computer skill	L						H	H										H	
0330221	Projects Management	M				M										L				
0330325	Total quality management					L	L			H							M			
0371436	Research Project 2	H	H				M						H		H	H	H	M	M	H
0371491	Field Training in Netwe			H									M		H	H				

High: H , Medium: M, Low: L