جامعة فيلادلفيا Philadelphia University	اسم النموذج : خطة المادة الدراسية	رمز النموذج : QFO-AP-VA-008
	الجهة المصدرة: نائب الرئيس للشؤون الأكاديمية	رقم الإصدار: (Rev) 2
	الجهة المدققة : اللجنة العليا لضمان الجودة	تاريخ الإصدار: 2021-5-4
		عدد صفحات النموذج : 4

Course Title: Introduction to Information Systems and Information Technology			**Course code: 073111000**		
Course Level: 1			**Course prerequisite: None**		
Lecture Time: 08:15 – 09:45			**Credit hours: 3**		
UR ☐	**FR** ☐	**DR** ▮	**C** ☐	**E** ☐	

Academic Staff Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Firas Najjar		IT Faculty 318	Posted on door	fnajjar@philadelphia.edu.jo

The Learning Style Used in Teaching the Course

The Learning Style			
Blended Learning ☐			
Electronic Learning ☐			
Face-to-Face Learning ▬			
Face-to-Face	**Electronic**	**Blended**	**Percentage**
100%			

Course module description:

This course introduces information systems and information technology, information systems concepts, and application software. It identifies the basic hardware input and output devices, the main concepts of networks and communication. This course introduces databases and information systems. In addition to that it describes the world wide web and takes into consideration browsing the web and searching the web. Finally, the challenges of digital age.

Course module objectives:

Students should be acquainted with handling and managing data and information in business organizations and to understand the meaning of "Information Systems and technology and their effects on organizations and individuals.

Students must learn about different Computer Hardware and Software and different types of computer networks. Finally, and many more fundamentals such as databases and challenges.

Course/ module components

Textbook

978-0073516882	Using Information Technology	Brian K. Williams (Author) Stacey C. Sawyer (Author)	McGraw-Hill/Irwin, Inc	2012

Teaching methods:

Lectures, discussion groups, tutorials.
Duration: 16 weeks in the semester, 48 hours in total

Learning outcomes:

A- Knowledge and Understanding :

A1) Know and understand a wide range of principles and fundamentals of Information Systems and Information Technology.

A2) The application of IS and IT.

B- Intellectual Skills :

B1) Basic analytical steps of Information Systems and defining the specifications of the IT required in business contexts.

C- Practical Skills:

C1) Plan and undertake a small individual project in IS and IT fields.
C2) Use the scientific literature effectively and make discriminating use of Web resources.
C3) Present seminars in IS and IT fields.

D- Transferable Skills:

D1) Use appropriate computer-based tools.
D2) Work effectively with and for others.
D3) Strike the balance between self-reliance and seeking help when necessary in new situations.
D4) Get knowledge about self-learning on the long run.

Learning Outcomes Achievement

Module Number	Module Name			

		A1	A2	B1	C1	C2	C3	D1	D2	D3	D4
073132100	Systems Analysis and Design	A, D	A, D	A, D	A,D	A,D	A,D	D	A,D	A,D	A,D

Development (D): A1, A2, B1, C1, C2, C3, D1, D2, D3, D4 are developed through lectures, home works, tutorials. and lab sessions

Assessment (A): A1, A2, B1, C1, C2, C3, D1, D2, D3, D4 are assessed by quizzes, Assignments, written exams, and labs work.

Assessment instruments

- Short reports and/ or presentations, and Short research projects
- Quizzes.
- Home works
- Final examination

Allocation of Marks	
Assessment Instruments	**Mark**
First examination	**20**
Second examination	**20**
Quizzes	**10**
Final projectand Assignemnt	**10**
Final examination:	**40**
Total	**100**

Make-up exams will be offered for valid reasons only with consent of the Dean. Make-up exams may be different from regular exams in content and format.

Documentation and academic honesty

- Documentation style (with illustrative examples)
- Protection by copyright
- Avoiding plagiarism.

Course/module academic calendar

week	Basic and support material to be covered	Homework/reports and their due dates

(1)	Chapter 1: Introduction to Information technology.	
(2)	Chapter 3: Computer Software	
(3)	Chapter 4: Computer Hardware	
(4)	Chapter 5: Computer Hardware	
(5)	Chapter 2: The internet and the World Wide Web.	**Assignment 1**
(6) **First examination**	Chapter 2: Browsing the Web: Domains, IP, Browsers, Browsers, Risks.	
(7)	Chapter 3: Searching the Web: Search Process, Tools, Advanced Search.	
(8)	Revision	
(9)	Chapter 5: More Internet Tools: Education, Shopping, Games, File-Sharing.	
(10)	Chapter 5: More Internet Tools: Education, Shopping, Games, File-Sharing.	**Assignment 2**
(11) **Second examination**	Chapter 6: Communications, Networks, and Safeguards	
(12)	Chapter 6: Communications, Networks, and Safeguards	
(13)	Chapter 8: Databases and Information Systems.	
(14)	Chapter 9: The challenges of the digital age	
(15) **Specimen examination (Optional)**	Handout: Numbering System	
(16) **Final Examination**	Handout: Numbering System	

Expected workload:

On average students need to spend 2 hours of study and preparation for each 50-minute lecture/tutorial.

Attendance policy:

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant faculty shall not be allowed to take the final examination and shall

receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

Module references

Books

1. Gerald M. Weinberg, an Introduction to General System Thinking, Silver Anniversary Edition, 2001.
2. James A. O'Brien, Introduction to Information Systems: Essentials for the e-Business Enterprise. 11th ed. 2003, McGraw-Hill Higher Education.
3. Fundamentals of Information Systems, Editors: Ralph M. Stair, George W. Reynolds, Course Technology; Published: 2001, Thomson Learning, Inc.
4. Thomas L. Floyed Digital Fundamentals, Pearson Education 2000.
5. Using Information Technology. Authors: Brian K. Williams, Stacey C. Sawyer. Published: McGraw-Hill/Irwin, Inc, 2014, 11th edition.

Journals

Journal of IT

Websites