



مركز الاعتماد
وإضمان الجودة
ACCREDITATION & QUALITY ASSURANCE CENTER



The University of Jordan

Accreditation & Quality Assurance Center

Course Syllabus

**Course Name: Applications of
Information Systems**

1	Course title	Applications of Information Systems
2	Course number	5402453
3	Credit hours (theory, practical)	3 hours
	Contact hours (theory, practical)	Theory: 25 hours, Practical: 20 hours
4	Prerequisites/corequisites	Prerequisite: 5402321
5	Program title	B.Sc. in Business Information Technology
6	Program code	02
7	Awarding institution	The University of Jordan
8	Faculty	Systems and Information Technology
9	Department	Business Information Technology
10	Level of course	Senior
11	Year of study and semester (s)	3 rd year (either first or second sememster)
12	Final Qualification	B.Sc. in Business Information Technology
13	Other department (s) involved in teaching the course	
14	Language of Instruction	English
15	Date of production/revision	16/9/2017

16. Course Coordinator:

Dr. Ismail AL-Taharwa
 Rank: Assistant professor
 Office No.:322
 Office hours: Sun 10:00 – 11:00, Mon: 11:00 – 12:00, Tue: 14:00 – 15: 00, Thr: 12:00 – 13:00
 Project hours:
 Phone numbers :35118
 Email addresses: i_taharwa@ju.edu.jo

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

18. Course Description:

As stated in the approved study plan.

Information Systems is composed of a wide variety of career choices, with its own unique language, that continually changes. The primary goals of this course are to introduce the student to the language of information systems, to begin understanding the role of technology in our world today, to explore career opportunities, and to be aware of tools that will help the student adapt to changes in Information Systems.

This course provides an introduction to systems and development concepts, information technology, and application software. It explains how information is used in organizations and how IT enables improvement in quality, timeliness, and competitive advantage.

19. Course aims and outcomes:

A- Aims:

Understanding the role of information systems in the modern societies in order to be able to demonstrate how to search out job opportunities and match them to their own IS knowledge, skills, and abilities

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...

B.1. Knowledge and Understanding (students should be able to):

B.1.1. learn information technology and information system terminologies, concepts, and their impacts on organizations.

B. 1. 2. Distinguish Information system concept from information technology

B. 1. 3. Understand the different levels of organizational hierarchy

B. 1. 4. Identify the parts of an information system and how it relates to organizational work systems.

B. 1. 5. Understand and distinguish among the different information systems (e.g., Office automation, MIS, ES, ...)

B. 1. 6. Get some ideas about the new and advances in Information systems (i.e., Cloud computing and Big data)

B.2. Intellectual skills (students should be able to):

B.2.1. Distinguish among the tasks to be accomplished among each organizational hierarchal level

B. 2. 2. Associate the appropriate information system according to the organization hierarchal level

B. 2. 3. Compare acquisition alternatives and service providers

B. 2. 4. Use appropriate UML diagram to describe the distinct information systems

B. 3. Practical Skills – with ability to

B . 3 . 1. Draw UML-diagrams (i.e., Mainly DFD, Sequence and Activity)

B. 3. 2. Practice Some CASE tools

B. 3. 3. Put hands on some ERP software

B. 3 . 4. Build/run cloud computing services

B. 3 .5. Operate open source operating systems (i.e., Linux)

B.4. Transferable Skills – with ability to

B. 4. 1. Display an integrated approach to the deployment of communication skills.

B. 4. 2. Work effectively with legacy system's owners.

B. 4. 3. Strike the balance between self-reliance and seeking help when necessary.

B. 4. 4. Show personal responsibility by working to multiple deadlines in relation to the course requirements.

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Introduction to IS: <ul style="list-style-type: none"> - Organizational hierarchy - System and modelling concepts 	1,2	Ismail AL-Taharwa	B.1.1, B.1.2,	Homework	chapter 1
Types of Information Systems: <ul style="list-style-type: none"> - Transactional systems - Office automation - MIS - Decision Support - ES - GDSS 	3, 4	Ismail AL-Taharwa	B.1.3, B.1.4, B.2.1, B.2.3	Homework	attendance, Discussion, handouts
IS Usages: <ul style="list-style-type: none"> - E-business - Decision Making - Business integration 	5, 6, 7	Ismail AL-Taharwa	B.1.5, B.2.1, B.2.3	Quiz + Homework	Chapter 2
Enterprise Resource planning: <ul style="list-style-type: none"> - Tasks - Tools 	8, 9	Ismail AL-Taharwa	B. 2. 3, B.3.3	Quiz+ Homework	Chapter2 + Handouts Online resources
IS development: <ul style="list-style-type: none"> - Agile vs. SDLS - CASE tools - DFD-diagram 	10, 11	Ismail AL-Taharwa	B.3.2, B.3.1, B.3.2,	Exam	Chapter 3
Specialized IS: AI App <ul style="list-style-type: none"> - GIS App - ES App - Sensor networks App - Segway - S-Government App 	12-13	Ismail AL-Taharwa	B.1.5, B.2.2	Homework	Chapter 4
Open source systems: <ul style="list-style-type: none"> - Linux - Cloud computing 	14-15	Ismail AL-Taharwa	B.3.4, B.3.5		
Project presentation	15	Ismail AL-Taharwa	B.4.1, B.4.2, B.4.3, B.4.4	Presentation	Suggested paper reading

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

- Presentation and discussion in class
- Practical classes
- Reading materials
- Handouts
- External material
- Assignments and Projects

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Method	Lecture	Demo	Laboratory	Paper reading
Intended Learning Outcomes (ILO)	B.1.1, B.1.2, B.1.3, B.1.4, B.1.6, B.2.2, B.2.4	B.1.4, B.2.4, B.1.6	B.1.2, B.1.3, B.1.4, B.2.3, B.3.1, B.3.2,	B.1.6, B.1.6, B.2.5, B.4.1, B.4.2, B.4.3, B.4.4
Assessment	Exams + Assignments	Quiz + Homework	Exams + Assignments	Presentation and discussion

23. Course Policies:

A- Attendance policies:

Students are allowed up to 5 absences with excuses. If you exceed this number, you will fail the class.

B- Absences from exams and handing in assignments on time:

All projects and assignments are to be uploaded to the course website.

- Upload assignments to elearning.ju.edu.jo (Moodle) by 11:55 PM on its due date.
- Everyone should check their e-mail and Moodle regularly. Students are responsible for information posted there. If critical information is posted in Moodle that you must read today, an announcement to check e-learning will be sent to the mailing list.

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

Discussion of the concepts and principles between students is fine and very welcomed. Also, students are allowed to debug each other's code. However, Student cooperation should not result in identical or near identical answers/code/documentation. **ALL THE MATERIAL SUBMITTED FOR GRADING MUST BE YOUR OWN EFFORT.** If this policy is violated then the following steps may be taken: (1) reduction of points by dividing by the number of students involved in an incident, (2) assignment of a grade of ZERO for all students involved in an incident.

E- Grading policy:

- Midterm Exam 30%
- Quizzes and assignments 10%
- Project 10%
- Final Exam 50%

Evaluation Scale:

Mark	≤ 34	≤ 49	≤ 54	≤ 59	≤ 64	≤ 69	≤ 74	≤ 79	≤ 84	≤ 89	≤ 94	≤ 100
Scale	F	-D	D	+D	-C	C	+C	-B	B	+B	-A	A

F- Available university services that support achievement in the course:

Students are responsible to use all university services and equipments in the right way with a compliance to the regulations of the University of Jordan.

VERY IMPORTANT RULES AND REGULATIONS:**Discipline and Active Participation Policy (If applicable as bonus, could be banned if it is insufficient):**

All together discipline and active participation will be rewarded. Attending the class by itself without any active participation doesn't permit having the participation mark. **Refer to the JU's regulations and legalizations regarding attendance.**

- Participation frequency and relative grading percentage:
- participation is subject to 5% (good questions, valuable observations and effective answers)
- Semi-effective participation is subject to 3% (ineffective questions, observations and answers)
- Infrequent participation is subject to 2% (ineffective and show low level of preparation)
- Rare participation is subject to 1%
- Displaying no sign of life or long periods of absence is subject to 0%

Late presence to class (less than 10 minutes) will be recorded. If such behavior happens to be repeated frequently, each twice late attendance will be accounted as one absence. More than 10 minutes late time will be accounted as complete absence. However, late coming students are still welcomed to attend the class no matter how long are they late.

- Attendance and participation are mandatory, absence may result in receiving an **ABSENT FAIL** grade or an equivalent fail grade
- It preferable to have structured participation and **avoid random additions or interruptions**
- When advised stick to the provided template for the deliverables, it would give more value to your piece of work
- Any out of order behavior, as side talks or sleeping, during the lecture time will be reported and may result in an expel of the class room.
- Disrespect toward colleagues while talking or discussing an issue is prohibited and **will result in an expel and a penalty.**
- Late homework and assignments delivery may result in having ZERO grade for that particular deliverable
- Cheating has no excuse at all, with no exceptions, it will result in **having a penalty. Refer to the JU's regulations and legalizations regarding tests and exams.**
- Disturbing the running of the exam for any reason (e.g., technical) by any behavior **is prohibited**, it will result in having **penalty. Refer to the JU's regulations and legalizations regarding tests and exams.** In case the Instructor, lab supervisor or exam supervisor requested you to look in your monitor, to show your ID, or any other command. **Response to his order clammily and immediately. Definitely, it is your right to discuss such case after the exam.**
- **Plagiarism is unethical** activity that may result in having a **penalty**, refer to www.plagiarism.org.
- Any feedback is welcomed while presented in a reasonable manner. However, **Disturbing the running of the class by making arguments** with classmates, lab supervisor, or instructor, or by any other behavior is **prohibited and will result in an expel and a penalty.** Nevertheless, any kind of **polite discussion and negotiation** regarding any issues related to the progress of the course is **welcomed at the instructor office.**

Carefully read the most recent copy of the **regulations statement** provided by the University of Jordan, as it applies to this course.

24. Required equipment:

Personal computer (PC) with Microsoft office bundle (MS Visio)

25. References:

A- Required book (s), assigned reading and audio-visuals:

Textbook: Stair and Reynold, **Fundamentals of Information Systems**, 6th edition. Course Technology, 2012

B- Recommended books, materials, and media:

References: Malaga, **Information systems technology**, 2006

26. Additional information:

Name of Course Coordinator: --Ismail AL-Taharwa--Signature: ----- Date: -----

---- Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:

Head of Department
Assistant Dean for Quality Assurance
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