



"الريادة والأبداع في الأعمال"
"Entrepreneurship and
Innovation in Business"

جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan
كلية الأعمال
Faculty of Business



"عراقة وجودة"
Tradition and
"Quality"

Detailed Course Description - Course Plan Development and Updating Procedures/ Accounting Department QF05/0408-3.0E

Faculty	Business	Department	Accounting
Course number	0502445	Course title	Accounting Information Systems
Number of credit hours	3	Pre-requisite/co-requisite	Introduction to Management Information Systems

Brief course description

The course provides students with a basic understanding of accounting information systems (AIS). In particular, the course addresses the following areas: database concepts, technology of accounting information systems. Use of systems technology, accounting information systems application, and management use of AIS. Further, the course uses the cycle-based approach in studying and designing accounting information system.

	Course goals and learning outcomes
Goal 1	Understand basic system concepts and the role of AIS in achieving organizational objectives, and improving planning and control in an organization.
Learning outcomes	1.1 Gaining knowledge about the basic system concepts and the role of AIS in achieving organizational objectives. 1.2 Gaining knowledge about how to improve planning and control in an organization.
Goal 2	Identify the tools and techniques for system analysis, documentation, design, and implementation.
Learning outcomes	2.1 Students should be able to use the tools and techniques for system analysis 2.2 Students should be able to use the tools and techniques for documentation and design 2.3 Students should be able to use the tools and techniques for implementation
Goal 3	Understand the accountant role in the development of AIS.
Learning outcomes	3.1 Gaining knowledge about the role of accountants in the development of AIS. 3.2 Students should be able to participate in developing AIS.
Goal 4	Apply relational database concepts using MS-Access
Learning outcomes	4.1 Gaining knowledge about the relational database concepts. 4.2 Students should be able to Perform simple queries using MS-Access.
Goal 5	Use REA data modeling to understand business processes/activities; create diagrams that represent selected business process/activities/tasks
Learning outcomes	5.1 Gaining knowledge about how to Use REA data modeling to understand business processes/activities 5.2 Students should be able to build REA data model for artificial company
Goal 6	Apply, Ms-Excel in selected accounting Issues.
Learning outcomes	6.1 Students should be able to use Excel to record transactions in the journal and update the ledger 6.2 Students should be able to use Excel to prepare financial statements and 6.3 Students should be able to use Excel to prepare budgets 6.4 Students should be able to use Excel to calculate depreciation expenses 6.5 Students should be able to use Excel to perform financial analysis 6.6 Students should be able to use Excel to prepare payroll sheets



"الريادة والأبداع في الأعمال"
"Entrepreneurship and
Innovation in Business"

جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan
كلية الأعمال
Faculty of Business



"عراقة وجودة"
Tradition and
"Quality"

Detailed Course Description - Course Plan Development and Updating Procedures/ Accounting Department QF05/0408-3.0E

Textbook	Romney, M. Steinbart, P, Accounting Information Systems, 13th edition, 2015, New Jersey, Pearson Education, USA.
Supplementary references	1- Gerorge Bonder, and Williams Hopwood, Accounting Information Systems, 11th Edition, Pearson Education, 2012. 2- Katherine Smith & Others, Microsoft Excel for Accounting: Auditing & Accounting Information Systems, Pearson Education, 2003.

Course timeline				
Week	Number of hours	Course topics	Pages (textbook)	Notes
01	1 1 1	AIS: An Overview ○ What is the meaning of <i>system, data, and information</i> ? ○ What is an accounting information system (AIS)? MS-Excel Applications	1-23	
02	1 1 1	AIS: An Overview ○ Why is the AIS an important topic to study? ○ How does the AIS provide information for decision making? MS-Excel Applications	1-23	
03	1 1 1	Overview of Business Processes ○ What are the basic business activities in which an organization engages? ○ What decisions must be made to undertake these activities? ○ What information is required to make those decisions? MS-Excel Applications	24-59	
04	1 1 1	Overview of Business Processes ○ What role does the data processing cycle play in organizing business activities and providing information to users? ○ What is the role of the information system and enterprise resource planning in modern organizations? MS-Excel Applications	24-59	
05	1 1 1	Relational Databases ○ How are databases different than file-based legacy systems? ○ Why are databases important and what is their advantage? ○ What is the difference between logical and physical views of a database? MS-Excel Applications	104-141	
06	1 1 1	Relational Databases ○ What are the fundamental concepts of database systems such as DBMS, schemas, the data dictionary, and DBMS languages? ○ What is a relational database, and how does it organize	104-141	



جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan
كلية الأعمال
Faculty of Business



"الريادة والأبداع في الأعمال"
"Entrepreneurship and
Innovation in Business"

"عراقة وجودة"
Tradition and
"Quality"

Detailed Course Description - Course Plan Development and Updating Procedures/ Accounting Department QF05/0408-3.0E

		data? ○ How are tables structured to properly store data in a relational database? MS-Excel Applications First Exam		
07	1 1 1	Database Design Using REA Data Model ○ What steps are followed to design and implement a database system. ○ How is the REA data model used to design an AIS database? ○ How are E-R diagrams read, and what do they reveal about the business activities and policies of the organization being modeled? MS-Access Applications	552-587	
08	1 1 1	Database Design Using REA Data Model ○ How is an entity-relationship (E-R) diagram of an AIS database drawn? ○ Examples MS-Access Applications	552-587	
09	1 1 1	Database Design Using REA Data Model ○ How are E-R diagrams read, and what do they reveal about the business activities and policies of the organization being modeled? ○ Examples MS-Access Applications	552-587	
10	1 1 1	Implementing an REA Model in a Relational Database ○ How are REA diagrams for individual transaction cycles integrated into a single comprehensive organization-wide REA diagram? MS-Access Applications	588-615	
11	1 1 1	Implementing an REA Model in a Relational Database ○ How are tables constructed from the REA model of an AIS in a relational database? ○ Examples	588-615	
12	1 1 1	Implementing an REA Model in a Relational Database ○ How can queries be written to retrieve information from an AIS relational database built according to the REA data model? ○ Examples Second Exam	588-615	
13	1 1 1	Special Topics in REA Modeling ○ How are REA data models developed for organizations other than retail stores? ○ Examples	616-650	
14	1 1	Special Topics in REA Modeling ○ How are REA data models developed for the HR/payroll,	616-650	



جامعة الزيتونة الأردنية
Al-Zaytoonah University of Jordan
كلية الأعمال
Faculty of Business



"الريادة والأبداع في الأعمال"
"Entrepreneurship and
Innovation in Business"

"عراقة وجودة"
Tradition and
"Quality"

Detailed Course Description - Course Plan Development and Updating Procedures/ Accounting Department	QF05/0408-3.0E
--	----------------

1	1	manufacturing, and capital asset transaction cycles? ○ Examples		
15	3	Special Topics in REA Modeling ○ Examples	616-650	
16	3	Review (Final Exam)	-	

Theoretical course evaluation methods and weight	Participation = 10% First exam 20% Second exam 20% Final exam 50%	Practical (clinical) course evaluation methods	Semester students' work = 50% (Reports, research, quizzes, etc.) Final exam = 50%
---	--	---	---

Approved by head of department	Dr. Abdallah Atieh	Date of approval	30/8/2017
---------------------------------------	--------------------	-------------------------	-----------

Extra information (to be updated every semester by corresponding faculty member)

Name of teacher		Office Number	
Phone number (extension)		Email	_____@zuj.edu.jo
Office hours			

Prof. Inaam Zwalif