جـامعة الزيتونــة الأردنيـة
Al-Zaytoonah University of Jordan
كلية العلوم وتكنولوجيا المعلومات
Faculty of Science and Information Technology

" عراقة وجودة"
"Tradition and Quality"

Detailed Course Description - Course Plan Development and Updating Procedures/ Computer Information System Department	QF01/0408-3.0E

Faculty	Faculty of Science and Information Technology	Department	Computer Information Systems
Course number	**0113251**	**Course title**	**Management of Electronic Information Systems**
Number of credit hours	3	Pre-requisite/co-requisite	Introduction to Information Technology

Brief Course Description

This course provides comprehensive concepts of information systems and how to implement them in organizations. It emphasis on management of electronic information systems, e-commerce, m-commerce, management information systems (MIS), decision support systems (DSS), group support systems (GSS), executive support systems (ESS/EIS), and enterprise systems such as transaction processing systems (TPS).

	Course Goals and Learning Outcomes
Goal 1	**Emphasizing on information system and its benefits including speed, accuracy, reduced costs, and increased functionality**
Learning Outcomes	**1.1** Distinguish data from information and knowledge, and describe the characteristics of quality data. **1.2** Identify the fundamental components of an information system and describe their function.
Goal 2	**Declaring the importance of information system in all functional areas of business organizations**
Learning Outcomes	**2.1** Identify the three fundamental information system types, the basic types of business information systems, and describe the role of each component of an organization's technology infrastructure.
Goal 3	**Clarifying the importance of information systems security and the related ethical, legal, and social issues**
Learning Outcomes	**3.1** Identify several major IT security threats as well as some of the legal, social, and ethical issues associated with information systems.
Goal 4	**Stressing the importance role and usage of information system within the business organization**
Learning Outcomes	**4.1** Sketch a general model of an organization showing how information systems support and work within the automated portions of an organizational process. **4.2** Define the term value chain and identify several examples within a typical manufacturing or service organization.
Goal 5	**Showing that positive changes are a key ingredient for any successful organization**

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Learning Outcomes	**5.1** Define the terms innovation, reengineering and continuous improvement. **5.2** Discuss the pros and cons of outsourcing, offshoring, and downsizing. **5.3** Identify and briefly describe two change models that can be used to increase the likelihood of successfully introducing a new information system into an organization.
Goal 6	**Define the workers functions in designing, building, and implementing solutions that allow organizations to effectively leverage information technology systems**
Learning Outcomes	**6.1** Define the types of roles, functions, and careers available in the field of information systems.
Goal 7	**Affirming the necessity of electronic commerce, mobile commerce and advantages, and their advantages**
Learning Outcomes	**7.1** Describe the current status of various forms of e-commerce, including B2B, B2C, C2C, and e-government. **7.2** Define e-commerce, m-commerce, and identify their advantages and challenges.
Goal 8	**Defining and executing an effective strategy to be successful in e-commerce and m-commerce**
Learning Outcomes	**8.1** Outline the key components of a successful e-commerce and m-commerce strategy, and explain how to build a web site.
Goal 9	**Emphasizing on information systems that support routine, day-to-day activities and that help a company add value to its products and services**
Learning Outcomes	**9.1** Identify the basic activities and business objectives common to all transaction processing systems. **9.2** Describe the transaction processing systems associated with the order processing, purchasing, and accounting functions for different size enterprises.
Goal 10	**Improving decision-making and problem solving skills to develop effective information and decision support systems**
Learning Outcomes	**10.1** Define the stages of decision making. **10.2** Discuss the importance of implementation and monitoring in problem solving.
Goal 11	**Defining the management information system (MIS) and its role in business organizations**
Learning Outcomes	**11.1** Explain the uses of MISs and describe their inputs and outputs. **11.2** Discuss information systems in the functional areas of business organizations.
Goal 12	**Emphasizing on the concepts of Decision support systems (DSS) and other Specialized support systems**
Learning Outcomes	**12.1** List and discuss important characteristics of DSSs and describe its basic components. **12.2** State the goals of a group support system (GSS), and identify the fundamental uses of an executive support system (ESS).

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Textbook	1. **Principles of Information Systems**, 13th edition, Course Technology/Cengage Learning, 2017, by Ralph M. Stair and George W. Reynolds. **ISBN: 978-1-305-97177-6**
Supplementary References	1. **Management Information Systems: Managing the Digital Firm**, 15th edition, 2017, by Kenneth C. Laudon and Jane P. Laudon. **ISBN-13: 978-0134639840** 2. **Using MIS**, 10th edition, Pearson, 2017, by David M. Kroenke and Randall J. Boyle. **ISBN-13: 978-0134606996** 3. **Introduction to Information Systems**, 16th Edition, McGraw-Hill Education, 2012, by James A O'Brien and George M. Marakas. **ISBN-13: 978-0073376882** 4. **Principles of Information Systems**, 11th edition, Course Technology/Cengage Learning, 2014, by Ralph M. Stair and George W. Reynolds. **ISBN-13: 978-1305108684**

Course Timeline				
Week	**Number of Hours**	**Course Topics**	**Pages (Textbook)**	**Notes**

01	1
	1
	1
		Chapter 1: An Introduction to Information Systems
		• Information Systems in Perspective
		  – An Introduction to Information Systems
		  – Information Systems in Organizations
			4–10	

02	1
	1
	1
		Chapter 1: An Introduction to Information Systems/Cont.
		• Business Information Systems
		  – Electronic and Mobile Commerce
		  – Enterprise Systems
			18–25	

03	1
	1
	1
		Chapter 1: An Introduction to Information Systems/Cont**.**
		• Information Systems in Business and Society
		  – Cybercrime and Information System Security
		  – Ethical, Legal, and Social Issues of Information Systems
			29–40	

04	1
	1
	1
		Chapter 2: Information Systems in Organizations
		• Organizations and Information Systems
		  – Virtual Teams and Collaborative Work
		• Change in the Organization
		  – Innovation
		  – Reengineering and Continuous Improvement
			46–53	

05	1 1	**Chapter 2:** Information Systems in Organizations/Cont.	54–60	

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	1	• Change in the Organization – Outsourcing, Offshoring, and Downsizing • Organizational Culture and Change – Lewin's Change Model – Leavitt's Diamond		
06	1 1 1	**Chapter 2:** Information Systems in Organizations/Cont. • Careers in Information Systems – Roles, Functions, and Careers in IS – Typical IS Titles and Functions – IS-Related Roles outside the IS Organization – Other IS Careers **First Exam 20%**	**62–72**	
07	1 1 1	**Chapter 7:** Electronic and Mobile Commerce • An Introduction to Electronic Commerce – Business-to-Business E-Commerce – Business-to-Consumer E-Commerce – Consumer-to-Consumer E-Commerce – E-Government	**296–303**	
08	1 1 1	**Chapter 7:** Electronic and Mobile Commerce/Cont. • Introduction to Mobile Commerce – Mobile Commerce in Perspective – M-Commerce Web Sites – Advantages of Electronic and Mobile Commerce – Multistage Model for E-Commerce – E-Commerce Challenges	**304–312**	
09	1 1 1	**Chapter 7:** Electronic and Mobile Commerce/Cont. • Strategies for Successful E-Commerce and M-Commerce – Defining an Effective E-Commerce Model and Strategy – Defining the Functions of a Web Site – Establishing a Web Site – Building Traffic to Your Web Site – Maintaining and Improving Your Web Site	**322–326**	
10	1 1 1	**Chapter 8:** Enterprise Systems • Transaction Processing Systems – Traditional Transaction Processing Methods and Objectives – Transaction Processing Systems for	**346–355**	

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			Entrepreneurs and Small and Medium-Sized Enterprises – Transaction Processing Activities		
11	1 1 1	**Revision** **Second Exam 20%**			
12	1 1 1	**Chapter 10 / Ref 4:** Information and Decision Support Systems • Decision Making and Problem Solving • An Overview of Management Information Systems	**438–447**		
13	1 1 1	**Chapter 10 / Ref 4:** Information and Decision Support Systems /Cont. • Functional Aspects of the MIS • An Overview of Decision Support Systems • Components of a Decision Support System	**447–471**		
14	1 1 1	**Chapter 10 / Ref 4:** Information and Decision Support Systems /Cont. • Group Support Systems • Executive Support Systems	**473–480**		
15	1 1 1	**Revision**			
16	1 1 1	**Final Exam 50%**			

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		**Date of Approval**	

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			