



"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/
Management Information System Department**

QF05/0408-3.0E

Faculty	Business	Department	Management Information System
Course number	0506111	Course title	Advanced Management Information Systems
Number of credit hours	3	Pre-requisite/co-requisite	Introduction to Management Information Systems

This course provides an overview of advanced MIS concepts using an integrate of framework for describing and analyzing information system. This framework depicts information system being composed of management, organization & technology elements. This view of information systems is reinforced in student projects & cases studies.

Course goals and learning outcomes	
Goal 1	Exploring and understanding the business intelligence concept.
Learning outcomes	1.1 To be able to present orally and in writing the concepts of Business Intelligence 1.2 To clearly describe the components of BI initiative and it's success factors 1.3 To field research the local market on Business Intelligence
Goal 2	Understanding the technical foundations of Telecommunications, the Internet, and Wireless Technology.
Learning outcomes	2.1 To present the major technologies of Telecommunication and future trends 2.2 To Have hands on major internet applications 2.3 To field research the local market on the telecommunication sector
Goal 3	Understanding how securing Information Systems
Learning outcomes	3.1 To clearly describe the the current challenges of securing Information Systems 3.2 To search the web for case studies on penetrating Information Systems 3.3
Goal 4	Achieving Operational Excellence and Customer Intimacy: Enterprise Applications
Learning outcomes	4.1 To be able to present both orally and in writing the Enterprise Applications 4.2 To be able to define operational excellence and customer intimacy 4.3
Goal 5	Managing knowledge and collaboration and
Learning outcomes	5.1 To be able to define knowledge, knowledge management, and collaboration 5.2 To present the knowledge management processes and lifecycle 5.3 To propose new ideas for collaboration in the local society
Goal 6	Enhancing decision making.
Learning outcomes	6.1 To describe the decision making process 6.2 To be able to propose new ideas of enhancing decisions
Goal 7	Exploring and understanding managing IS/IT projects and
Learning outcomes	7.1 To be able to present verbally and in writing the project management concepts 7.2 To collaborate with other students in developing and managing an IT project
Goal 8	Managing global systems
Learning outcomes	8.1 To clearly present the concepts of global systems 8.2 To be able to conduct a web search for case studies on global systems management



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	8.3
Textbook	1- Management Information Systems 11 th ed., Laudon and Laudon , prentice hall 2010
Supplementary references	1- Introduction to Information Systems 15 th ed., OBrien and Marakas , Mc Graw Hill, 2010 2- Other learning resources (e.g Web sites, video tapes, CD's, ..)

Course timeline				
Week	Number of hours	Course topics	Pages (textbook)	Notes
01	1 1 1	Chapter 6:Foundations of Business Intelligence: Databases and Information Management <ul style="list-style-type: none"> Describe how the problems of managing data resources in a traditional file environment are solved by a database management system Describe the capabilities and value of a database management system Apply important database design principles 	234-272	
02	1 1 1	Chapter 6:Foundations of Business Intelligence: Databases and Information Management <ul style="list-style-type: none"> Evaluate tools and technologies for accessing information from databases to improve business performance and decision making Assess the role of information policy, data administration, and data quality assurance in the management of a firm's data resources 	234-272	
03	1 1 1	Chapter 7:Telecommunications, the Internet, and Wireless Technology <ul style="list-style-type: none"> The principal components of telecommunications networks and key networking technologies? The main telecommunications transmission media and types of networks? How does the Internet and Internet technology work and how do they support communication and e-business? 	274-319	
04	1 1 1	Chapter7:Telecommunications, the Internet, and Wireless Technology <ul style="list-style-type: none"> The principal technologies and standards for wireless networking, communication, and 	274-319	



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		Internet access? • Why are radio frequency identification (RFID) and wireless sensor networks valuable for business?		
05	1 1 1	Chapter 8:Securing Information Systems • Information systems vulnerable, error, and abuse • Business value of security and control	321-361	
06	1 1 1	Chapter 8:Securing Information Systems • Components of an organizational framework for security and control • Most important tools and technologies for safeguarding information resources	321-361	
07	1 1 1	Chapter 9:Achieving Operational Excellence and Customer Intimacy: Enterprise Applications • How do enterprise systems help businesses achieve operational excellence? • How do supply chain management systems coordinate planning, production, and logistics with suppliers?	399-365	
08	1 1 1	Chapter 9:Achieving Operational Excellence and Customer Intimacy: Enterprise Applications • Customer relationship management systems and customer intimacy • The challenges posed by enterprise applications • Using applications in platforms for new cross-functional services	399-365	
09	1 1 1	Chapter 11: Managing Knowledge • The role of knowledge management and knowledge management programs in business • The types of systems are used for enterprise-wide knowledge management and how do they provide value for businesses	473-438	
10	1 1 1	Chapter 11: Managing Knowledge • The major types of knowledge work systems and how do they provide value for firms • The business benefits of using intelligent techniques for knowledge management	473-438	
11	1 1 1	Chapter 12: Enhancing Decision Making • The different types of decisions and how does the decision-making process work • Utilize information systems to support the activities of managers and management decision making	503-475	



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12	1 1 1	Chapter 12: Enhancing Decision Making <ul style="list-style-type: none"> Business intelligence and business analytics support decision making Different decision-making constituencies in an organization use business intelligence The role of information systems in helping people working in a group make decisions more efficiently	503-475	
13	1 1 1	Chapter 14: Managing Projects <ul style="list-style-type: none"> The objectives of project management and why is it so essential in developing information systems? Main methods can be used for selecting and evaluating information systems projects and aligning them with the firm's business goals Assessment the business value of information systems projects 	577-546	
14	1 1 1	Chapter 14: Managing Projects <ul style="list-style-type: none"> The principal risk factors in information systems projects Strategies useful for managing project risk and system implementation 	577-546	
15	1 1 1	Chapter 15: Managing Global Systems <ul style="list-style-type: none"> Major factors are driving the internationalization of business The alternative strategies for developing global businesses The issues and technical alternatives to be considered when developing international information systems 	607-578	
16	1 1 1	<ul style="list-style-type: none"> Activities Debate 		

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%
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Approved by head of department		Date of approval	
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Extra information (to be updated every semester by corresponding faculty member)

Name of teacher		Office Number	
Phone number (extension)		Email	
Office hours			