



"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	0506324	Course title	Systems Analysis & Design 2
Number of credit hours	3	Pre-requisite/co-requisite	Systems Analysis and Design (1)

This course covers in detail the information systems development process from the management perspective. The MIS application development process (the systems life cycle) will be covered in detail continuing from the analysis phase to the final implementation phase. The course is intended to help students understand and finalize the most popular methodology of information systems development (SDLC) and how to use both technological and business skills to IS planning, analysis, design, development and implementation.

	Course goals and learning outcomes
Goal 1	To learn and demonstrate an understanding of systems analysis and design principles and concepts.
Learning outcomes	1.1 knowing the contemporary approaches of designing information system .
Goal 2	Understand the systems development life cycle techniques (SDLC) and steps used in developing an information system.
Learning outcomes	2.1 understanding each phase of the SDLC, as well as the Sub-phases within and Knowing the outcome of each phase.
Goal 3	Understand the process of structuring user requirements collected in the previous phases of SDLC.
Learning outcomes	3.1 learning methods for collecting user requirements and understanding the Different tools for structuring user requirements using tables, trees diagrams .
Goal 4	Learn how build a conceptual data models and understand the entities and relationships within using Visio application.
Learning outcomes	4.1 using VISIO to conduct process modeling and data modeling.
Goal 5	Being able to logically and physically design the systems database based on the conversion of the ER diagrams into tables.
Learning outcomes	5.1 converting ER diagrams into tables. 5.2 Apply the rules of conversion.
Goal 6	Knowing how to build a well-structured relation using the process of normalization.
Learning outcomes	6.1 Converting complex tables into simple –well-structured relations.
Goal 7	Understand the main concepts behind designing forms and reports.
Learning outcomes	7.1 Being able to differentiate between the guidelines of designing forms and the Guidelines of designing reports.
Goal 8	Being able to design user interfaces.
Learning outcomes	8.1 Building logical design of user interfaces 8.2 following the roles of building forms and reports
Goal 9	Being able to design system's dialogues.
Learning outcomes	9.1 learning how to design the process of interaction between the user and the System itself.



"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
--	--	-----------------------

Goal 10	Understand the process of system's final installation and implementation.
Learning outcomes	10.1 Being able to build test Scenarios. 10.2 Conduct and run test cases. 10.3 Learning how to maintain a successful information system.
Textbook	Valacich, George and Hoffer (2014) 'Essentials of Systems Analysis and Design', 7th edition, Pearson publishing.
Supplementary references	--

Course timeline				
Week	Number of hours	Course topics	Pages (textbook)	Notes
01	1	The Systems development environment	30	1,2
	1			
	1			
02	1	Systems life cycle SDLC	54	3
	1			
	1			
03	1	Data modeling: ER diagrams	70	4
	1			
	1			
04	1	Building relations from the ER diagrams	70	4
	1			
	1			
05	1	Practical session on Visio	-----	4
	1			
	1			
06	1	Applying normalization	110	3,4
	1			
	1			
07	1	Designing forms & reports	110	3,4
	1			
	1			
08	1	Designing user interfaces	150	6
	1			
	1			
09	1	Designing dialogues	150	6
	1			
	1			
10	1	Implementing the system	180	7
	1			
	1			
11	1	Cases on process modeling	180	7,8
	1			
	1			



"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
--	--	-----------------------

12	1 1 1	Cases on data modeling	180	7,8
13	1 1 1	Cases on normalization	1-140	7,8
14	1 1 1	Exercises on designing UI	-----	7,8
15	1 1 1	Exercises on designing forms & reports	-----	7,8
16	1 1 1	Revision	-----	-----

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	Dr.Enas allozi	Office Number	
Phone number (extension)		Email	enas.Al-lozi@zuj.edu.jo
Office hours			