

جامعة الزيتونة الأردنية Al-Zaytoonah University of Jordan





Course Plan for Bachelor program - Study Plan Development and Updating Procedures/ Management information systems Department

QF05/0408-4.0E

Study plan	2020-	2021		University Spe		ecialization		Management		
No.							information systems			
Course No.	0506212				Course name			Syst	ems An	alysis and
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Credit	dit 3				D ::: C		• •,	0506		
Hours					Prerequisite Co	o-req	uisite	0000	,	
Course	☐ MANDATORY UNIVERSITY		□ UNIVERSITY ELECTIVE		☐ FACULTY MANDATORY		☐ Support course family		ndatory nirements	☐ Elective requirements
type	UNIVERSITY REQUIREMENT						requirements			
Teaching	· -		nline learning		✓ Blended learning		earning	☐ Traditional learning		
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Learning re			17.1 ' 1 G	1	H CC (2010) (E			1 .	1.0	
Course book in			Valacich, George and Hoffer (2019) 'Essentials of Systems Analysis and Design', 9th							
(Title, author, date of issue,			edition, Pearson publishing. ISBN:978-0135172759							
publisher etc		ources	1 Vision							
Supportive learning resources (Books, databases,			2 Smart draw							
periodicals, software,			3 Microsoft project management							
applications, others)			5 intereson project management							
Supporting we										
The physical environment for		□ Class		✓ labs		☐ Virtual			Others	
teaching		room				education	al			
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Necessary equipment and										
software										
Supporting people with										
	special needs									
For technical support										



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Course learning outcomes (S = Skills, C= Competences K= Knowledge,)

No.	Course learning outcomes	The associated program learning output code
	Knowledge	
K1	Demonstrate an understanding of systems analysis and design principles and concepts.	MK1
К2	Help students understand the systems development life cycle techniques (SDLC) and steps used in developing an information system.	MK1
К3	Explain the alternative sources for applying or developing a new information system.	MK2
K4	Teaching the modern and traditional methodologies used to develop IS.	MK2
K5	knowing the contemporary approaches of designing information system	MK3
	Skills	
S1	Managing the IS project through studying the alternatives for the system itself, conducting feasibility studies, and being able to create Gantt charts and network diagrams using Microsoft Project.	MS2
S2	Determine system requirements through eliciting user information and system performance expectations.	MS1
S3	Structure these requirements and produce the requisite systems documentation at each point of the systems development life cycle.	MS2
S4	Using VISIO to conduct process modeling and data modeling.	MS1
S5	Converting ER diagrams into tables.	MS1
	Competences	
C1	Help students Understand the process of system's final installation and implementation.	MC2
C2	Being able to differentiate between the guidelines of designing forms and the Guidelines of designing reports.	MC2
C3	Learning how to design the process of interaction between the user and the System itself.	MC1

Mechanisms for direct evaluation of learning outcomes

Type of assessment / learning style	Fully electronic learning	Blended learning	Traditional Learning (Theory Learning)	Traditional Learning (Practical Learning)
First exam		30%		
Second / midterm exam		0		
Participation / practical applications				
Asynchronous interactive activities		30%		
final exam		40%		

Note: Asynchronous interactive activities are activities, tasks, projects, assignments, research, studies, projects, work within student groups ... etc, which the student carries out on his own, through the virtual platform without a direct encounter with the subject teacher.



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Schedule of simultaneous / face-to-face encounters and their topics

Week	Subject	learning style*	Reference **
1	The Systems development environment	lecture	30
2	Systems life cycle SDLC	lecture	54
3	Data modeling: ER diagrams	lecture	70
4	Building relations from the ER diagrams	lecture	70
5	Practical session on Visio	lecture	
6	Applying normalization	lecture	110
7	Designing forms & reports	lecture	110
8	Designing user interfaces	lecture	150
9	Designing dialogues	lecture	150
10	Implementing the system	lecture	180
16	Final Exam		

^{*} Learning styles: Lecture, flipped learning, learning through projects, learning through problem solving, participatory learning ... etc.

Schedule of asynchronous interactive activities (in the case of e-learning and blended learning)

Week	Task / activity	Reference	Expected results
1	Practical session on Microsoft		
	projec		
2	Systems planning and selection	110	
3	Systems planning and selection	110	
4	Determining system requirements	150	
5	Determining system requirements	150	
6	Structuring system requirements	180	
7	Process modeling 1	180	
8	Process modeling 2	180	
9	Exercises on process modeling using Data flow diagrams (DFDs) 1		
10	Cases on process modeling	180	
11	Cases on data modeling	180	
12	Cases on normalization	110-140	
13	Exercises on designing UI		
14	Exercises on designing forms & reports		

^{**} Reference: Pages in a book, database, recorded lecture, content on the e-learning platform, video, website ... etc.