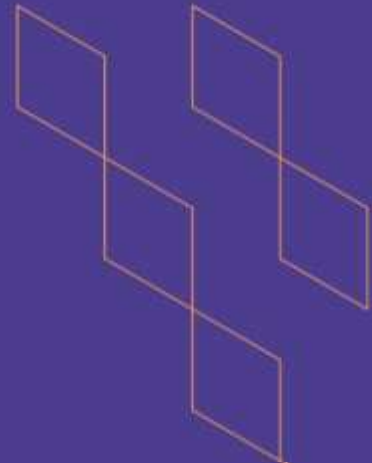




T-104
2022

Course Specification



Course Title: Systems Analysis and Design
Course Code: BA4208
Program: Bachelor
Department: Business
College: Business
Institution: Umm Al-Qura University
Version: 2
Last Revision Date: 5/2/2023



Table of Contents:

Content		Page
A. General Information about the course		3
1. Teaching mode (mark all that apply)		3
2. Contact Hours (based on the academic semester)		3
B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods		4
Course Content		5
		5

No	List of Topics	Contact Hours
1	Introduction to Systems Analysis and Design	
2	Basic Characteristics of Object-Oriented Systems	
3	Project Management	
4	Analysis Modeling	
5	Design Modeling	
6	Construction, Installation, and Operation	
Total		

D. Student Assessment Activities



				6
#	Assessment task*	Week Due	Percentage of Assessment	
1	First Assessment	4	10%	
2	Midterm Exam (written test)	6	30%	
3	Second assessment	9	10%	
4	Final Exam (written test)	12	50%	
*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)				
E. Learning Resources and Facilities				
1. References and Learning Resources				6
2. Required Facilities and Equipment				6
Error! Reference source not found.				Error! Bookma rk not defined.
G. Specification Approval Data				7



A. General information about the course:

Course Identification	
1. Credit hours:	4 hours
2. Course type	
a.	University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Track <input type="checkbox"/> Others <input type="checkbox"/>
b.	Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: level 11	
4. Course general Description This course focuses on the business issues surrounding information systems. These issues include identifying the business value that the system will create, developing ideas and suggestions for how the business processes can be improved, and designing the new processes and policies in conjunction with the systems analyst.	
5. Pre-requirements for this course (if any): BA2204	
6. Co- requirements for this course (if any):	
7. Course Main Objective(s) This course aims to demonstrate various techniques for analysing information requirements and designing efficient and effective information systems to meet current business goals. Describe the important aspects of motivation and leadership and their roles in organizations	

1. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1.	Traditional classroom	32	80%
2.	E-learning	8	20%
3.	Hybrid <ul style="list-style-type: none"> • Traditional classroom • E-learning 		
4.	Distance learning		



2. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	40
2.	Laboratory/Studio	10
3.	Field	0
4.	Tutorial	0
5.	Others (specify) E- learning	
	Total	50

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Define object-oriented systems analysis and design and describe its usefulness.	K1	Lecture, group discussions, assignments, case studies, group projects	Examinations, quizzes, presentations, assignments, analytical reports
1.2	Define the concepts of unified modeling language (UML), the standard approach for modeling a system in the object-oriented world	K3	Lecture, group discussions, assignments, case studies, group projects	Examinations, quizzes, presentations, assignments, analytical reports
2.0	Skills			
2.1	Apply the steps used in UML to break down the system into a use case model and then a class model..	S1	Lecture, group discussions, assignments, case studies, group projects	Examinations, quizzes, presentations, assignments, analytical reports





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
2.2	Diagram systems with the UML toolset so they can be described and properly designed	S6	Lecture, group discussions, assignments, case studies, group projects	Examinations, quizzes, presentations, assignments, analytical reports
2.3	Document and communicate the newly modeled object-oriented system to users and other analysts.	S3	Lecture, group discussions, assignments, case studies, group projects	Examinations, quizzes, presentations, assignments, analytical reports
3.0	Values, autonomy, and responsibility			
3.1	Demonstrate values of integrity, ethical behavior, cooperation, and independence in both academic and personal contexts.	V3	Group discussions, assignments, case studies, group projects	Presentations, group reports, learning logs

B. Course Content

No	List of Topics	Contact Hours
1	Introduction to Systems Analysis and Design	8
2	Basic Characteristics of Object-Oriented Systems	8
3	Project Management	6
4	Analysis Modeling	6
5	Design Modeling	6
6	Construction, Installation, and Operation	6
Total		40





D. Students Assessment Activities

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	First Assessment	4	10%
2	Midterm Exam (written test)	6	30%
3	Second assessment	9	10%
4	Final Exam (written test)	12	50%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Systems Analysis and Design: An Object-Oriented Approach with UML. Alan Dennis, Barbara Wixom, David Tegarden
Supportive References	George, J. & Valacich, J., (2020) Modern Systems Analysis and Design, Pearson, 9th Edition
Electronic Materials	
Other Learning Materials	

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom





Items	Resources
Technology equipment (projector, smart board, software)	Blackboard collaborate – Data show- Blackboard Platform
Other equipment (depending on the nature of the specialty)	-

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Chair, Students, External Stakeholders and quality Department and quality committee	Open discussions with the students Anonymous surveys
Effectiveness of students assessment	Chair, Students, External Stakeholders and quality Department and quality committee	Checking marking by the students themselves if it's possible Using the help of other members in reviewing the assignments/exams
Quality of learning resources	Chair, Students, External Stakeholders and quality Department and quality committee	Review of course portfolios Instructor assessment by students
The extent to which CLOs have been achieved	Chair, Students, External Stakeholders and quality Department and quality committee	Course specifications are periodically reviewed at the departmental level. Courses are updated periodically and compared to the benchmark standards.
Other		

Assessor (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

G. Specification Approval Data

COUNCIL
/COMMITTEE

BA DEPARTMENT





REFERENCE NO.

DATE

5/02/ 2023

