

Course Specifications

Course Title:	Project In Information Technology(1)
Course Code:	IT 410
Program:	Computer Science and Information Program
Department:	Department of Computer Science and Information
College:	College of Science at Azzulfi
Institution:	Majmaah University

Table of Contents

A. Course Identification.....	3
6. Mode of Instruction (mark all that apply)	3
B. Course Objectives and Learning Outcomes.....	3
1. Course Description	3
2. Course Main Objective.....	4
3. Course Learning Outcomes	4
C. Course Content	4
D. Teaching and Assessment	5
1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods	5
2. Assessment Tasks for Students	5
E. Student Academic Counseling and Support	5
F. Learning Resources and Facilities.....	6
1. Learning Resources	6
2. Facilities Required.....	6
G. Course Quality Evaluation	6
H. Specification Approval Data	7

A. Course Identification

1. Credit hours: 3			
2. Course type			
a.	University <input type="checkbox"/>	College <input type="checkbox"/>	Department <input type="checkbox"/>
b.	Required <input type="checkbox"/>	Elective <input type="checkbox"/>	Others <input type="checkbox"/>
3. Level/year at which this course is offered: 7 TH Level			
4. Pre-requisites for this course (if any):			
IT 312 and at least 80 credit hours			
5. Co-requisites for this course (if any):			

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom		
2	Blended		
3	E-learning		
4	Correspondence		
5	Other		

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	Lecture	
2	Laboratory/Studio	
3	Tutorial	
4	Others (specify)	
	Total	
Other Learning Hours*		
1	Study	
2	Assignments	
3	Library	
4	Projects/Research Essays/Theses	
5	Others (specify)	
	Total	

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description
This course is a real-life like experience where students team up to solve a real-world systems related problem by applying their concepts and software engineering approaches.

2. Course Main Objective

This course is the first of a two-course sequence in which the students will develop a complete software system. Students will work in groups of up to four students, each group will have a supervisor to guide them through the system development process using a specific methodology.

In this first part, each group must identify a problem domain, define the problem, identify and specify the requirements, document the current system, analyze it, propose alternative systems, and design a solution. The design must include the definitions of all the required system models, such as the data model and the functional model. At the end of the course, each group must submit a formal report documenting the complete process.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge:	
1.1	Knowledge of basic science to understand the principles of scientific analysis	
2	Skills :	
2.1	Learn the skilled needed by a System Analyst to be affective, professional and a successful individual	
3	Competence:	
3.1	Ability to plan the research project and start its implementation	

C. Course Content

No	List of Topics	Contact Hours
1	each group must identify a problem domain, define the problem, identify and specify the requirements,	9
2	document the current system, analyze it, propose alternative systems, and design a solution.	9
3	The design must include the definitions of all the required system models, such as the data model and the functional model.	9
4	At the end of the course, each group must submit a formal report documenting the complete process.	9
5	Showing initial outputs of the project	3
6	Final presentation of the project	3
7	Presentation to the projects committee for arbitration	3
Total		

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
1.1	Knowledge of basic science to understand the principles of scientific analysis .	Provide theoretical lectures on the concept of graduation project How to write a graduation project proposal. Course References	Degree for writing the graduation project proposal The attendance of introductory lectures for the project
2.0	Skills		
2.1	Learn the skilled needed by a System Analyst to be affective, professional and a successful individual	Practical applications. Group discussions. Lectures and definition of the graduation project	Student attendance for course introductory lectures-- Provide periodic reports on what has been achieved during those periods.
3.0	Competence		
3.1	Ability to plan the research project and start its implementation	Group discussions. Presentations. Make as a proposal for graduation projects. Visit the institutions and companies related to the project Graduation.	Communication skills through the presentation using computers and through advanced projects

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Discussion of project's title and ideas	2	5%
2	Discussion of literature review	4	10%
3	Discussion the proposed methodology	6	10%
4	Evaluating the prototype of the proposed system analysis and design	10	10%
5	Presentations and progress reports	After each phase	10%
6	Poster submission	13	15%
7	Project final discussion	14	40%
8	Total	---	100%

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

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

1. A total of 6 office hours per week in the lecturer schedule in order to facilitate the student.
2. Contacting students using e-mail , mobile, office telephone and website.

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	
Essential References Materials	Systems Analysis and Design, Shelly and Rosenblatt, Delmar Learning, 2013
Electronic Materials	Determines as the course is going on.
Other Learning Materials	Videos and presentations are available with the instructor

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Classrooms and, Library, as those are available at the college of science at Azzulfi
Technology Resources (AV, data show, Smart Board, software, etc.)	Smart Board
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	None

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of Teaching	Students	<ul style="list-style-type: none"> • Analysis of students' results. Observation during class work. • Students' evaluations. • Colleagues' evaluations. • Evaluation questionnaire filled by the students. Interview a sample of students enrolled in the course to take their opinions
Evaluation of Teaching	Program leaders	<ul style="list-style-type: none"> • Self-assessment. • External evaluation. Periodic review of course (the

Evaluation Areas/Issues	Evaluators	Evaluation Methods
		Commission of study plans)

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

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

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	
Reference No.	
Date	