



Course Specifications

Institution:	Majmaah University.
Academic Department :	College of Science at AzZulfi.
Programme:	Computer Science and Information
Course :	Project Management (CSI -448)
Course Coordinator :	Mr. ISSA ALSMADI
Programme Coordinator :	DR.YOSRY AZAAM
Course Specification Approved Date :	23/ 12 / 1435 H



A. Course Identification and General Information

1 - Course title :	Project Management	Course Code:	(CSI -448)
2. Credit hours :	3 (2 lecture + 2 Laboratory)		
3 - Program(s) in which the course is offered:	Computer Science and Information Program		
4 – Course Language :	ENGLISH		
5 - Name of faculty member responsible for the course:	ISSA ALSMADI		
6 - Level/year at which this course is offered :	Elective		
7 - Pre-requisites for this course (if any) :	<ul style="list-style-type: none"> Software Engineering 2 (CSI 422) 		
8 - Co-requisites for this course (if any) :	N/A		
9 - Location if not on main campus:	College of Science at AzZulf		
10 - Mode of Instruction (mark all that apply)			
A - Traditional classroom	<input checked="" type="checkbox"/>	What percentage?	80 %
B - Blended (traditional and online)	<input checked="" type="checkbox"/>	What percentage?	5 %
D - e-learning	<input type="checkbox"/>	What percentage?	5 %
E - Correspondence	<input type="checkbox"/>	What percentage? %
F - Other	<input checked="" type="checkbox"/>	What percentage?	10 %
Comments :	<p>One-tenth of the course is presented mainly inside video lectures of other instructors worldwide. They illustrate the same topics that I introduced in my lectures with a different presentation.</p>		

B. Objectives

<p>What is the main purpose for this course?</p> <p>The main objective of this course is to obtain an understanding of project management and its principles in a contemporary project environment. To provide students with an overall foundation of systems analysis and design to effectively and efficiently design and implement system. Topics to be covered include: system development tools, cost benefit analysis, prototyping, alternate system design strategies, designing human interface, software development life cycle, rapid application development and CASE tools, systems planning and selection, system analysis, system design, and system implementation and operation.</p>





Briefly describe any plans for developing and improving the course that are being implemented :

1. Using group.
2. Updating the materials of the course to cover the new topics of the field.

C. Course Description

1. Topics to be Covered

List of Topics	No. of Weeks	Contact Hours
1. Introductory Concepts: What is a Project? ,The Project Lifecycle , Projects in the Context of Strategic Management , Organization: Structure and Culture ,Stakeholders and Roles Challenges and Opportunities.	2	8
2. Strategic Management and project Selection: Project Management Maturity, Project Selection and Criteria of Choice, The nature of Project Selection Models , Types of project Selection , Analysis under Uncertainty – The Management of Risk , Comments on the Information Base for Selection , Project Portfolio Process , project Proposals.	2	8
3. The Project Manager : Project Management and the Project Manager , Special Demands on the project manager , Selecting the project Manager , Problems of Cultural Differences , Impact of Institutional Environments, Multicultural Communications and managerial Behavior.	2	8
4. Project Organization : The Project as part of the Functional Organization , Pure Project Organization , The Matrix Organization , Mixed Organizational Systems , Choosing an Organizational Form , Risk Management and the project Office , The Project Team , Human Factors and the Project Team.	1	4
5. Project Planning : Initial Project Coordination , Systems integration , Sorting Out the Project , The Work Breakdown Structure and Linear Responsibility Charts , Interface Coordination through Integration Management.	2	8
6. Conflict and Negotiation : The Nature of Negotiation , Partnering, Chartering, and Change , Conflict and the Project Life Cycle , Some Requirements and Principles of Negotiation , Negotiation in Action – The Quad Sensor Project .	2	8
7. Budgeting and Cost Estimation : Estimating Project Budgets, Improving the Process of Cost Estimation ,Determine the Estimate Type, Implementing Bottom-Up Cost Estimates ,Implementing Top-Down Estimating.	2	8
8. Scheduling : Background , Network Techniques: PERT and CPM ,	1	4





Risk Analysis using Simulation with Crystal Ball , Extensions and Applications.		
9. Monitoring and Information Systems & EVM : The Planning – Monitoring – Controlling Cycle, Information Needs and the Reporting Process, Earned Value Analysis, Computerized PMIS (Project Management Information Systems).	1	4

2. Course components (total contact hours and credits per semester):

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	30	30	-	-	-	60
Credit	30	15	-	-	-	45

3. Additional private study/learning hours expected for students per week.

5 Hours

The total workload of the student in this course is then: $60 + 5 \times 15 = 135$ work hours.





4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	Knowledge		
1.1	Demonstrate knowledge of project management concepts, methodologies and techniques.	Lectures. Lab demonstrations. Case studies. Individual presentations.	Written Exam Homework assignments Lab assignments Class Activities Quizzes
2.0	Cognitive Skills		
2.1	Identify contrasting and related characteristics of project management , strategic management, operations management, and crisis management.	Lectures. Lab demonstrations. Case studies.	Written Exam Homework assignments Lab assignments
2.2	Apply Project Management principles through class exercises in project scope management, project time management and teaming.	Individual presentations.	Lab assignments Class Activities Quizzes
2.3	Develop detailed project plan to include: Defining a project's scope and tasks by using the different technique, estimating task resource needs, assessing project risk and response strategies, a communications plan.	Brainstorming.	
3.0	Interpersonal Skills & Responsibility		
3.1	Learn how to search for information through library and internet, and present a short report in a written form and orally using appropriate scientific language.	Small group discussions. Whole group discussions. Brainstorming. Presentations.	Written Exam Homework assignments Lab assignments Class Activities Quizzes
4.0	Communication, Information Technology, Numerical		
4.1	Work in groups, operate questions during the lecture and communicate with each other and with me electronically, and periodically visit the sites the lecturer recommended.	Small group discussions. Whole group discussions. Brainstorming. Presentations.	Written Exam Homework assignments Lab assignments Class Activities Quizzes
5.0	Psychomotor		
5.1	N/A		





5. Schedule of Assessment Tasks for Students During the Semester:

	Assessment task	Week Due	Proportion of Total Assessment
1	First written mid-term exam	6	15%
2	Second written mid-term exam	12	15%
3	Presentation, class activities, and group discussion	Every week	5%
4	Homework assignments	After Every chapter	5%
5	Practical exam	15	20%
6	Final written exam	16	40%
7	Total		100%

D. Student Academic Counseling and Support

Office hours: Sun: 8-10, Mon. 8-10, Tus. 1-3.

Office call: Mon. 12-1 and Tus 12-1.

Email: i.alsmadi@mu.edu.sa

E. Learning Resources

1. List Required Textbooks :

Project Management: The Managerial Process with MS Project (The Mcgraw-Hill Series Operations and Decision Sciences) Multimedia CD – October 16, 2013 by Erik Larson ISBN: 978-1259186400.

2. List Essential References Materials :

- Modern erp: select, implement & use today's advanced business systems by Marianne Bradford (2010)

3. List Recommended Textbooks and Reference Material :

N/A.

4. List Electronic Materials :





Determines as the course is going on.

5. Other learning material :

Videos and presentations are available with me

F. Facilities Required

1. Accommodation

Classrooms and Labs available at College of science in Zulfi.

2. Computing resources

Smart Board.

3. Other resources

N/A.

G. Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching:

- Analysis of students' results.
- Observation during work.
- Students' evaluations.
- Colleagues' evaluations.
- Evaluation questionnaire filled by the students.
- Interview a sample of students enrolled in the course to take their opinions.

2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor :

- Self-assessment.
- External evaluation.
- Periodic review of course (the Commission of study plans).

3 Processes for Improvement of Teaching :

- Taking into account the recommendations yielded from the internal review of the course.
- Guidelines about course teaching provided by the by study plans commission.
- Department Guidelines about faculty member performance on the basis of direct observation.
- Training and development.
- Workshops to improve the educational process.





4. Processes for Verifying Standards of Student Achievement

- Reviewing the final exam questions and a sample of the answers of the students by others.
- Visiting the other institutions that introduce the same course one time per semester.
- Watching the videos of other courses by international institutions.

5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement :

- Comparison of the course to its counterparts offered in similar departments.
- Periodic revision of course description by faculty member.
- Periodic revision of course description by the study plans and schedules Commission.
- Update learning resources related to the course to ensure that the course is kept up with developments in the field.
- Make use of statistical results of course evaluation made by students to improve and develop the course.
- Giving the opportunity for students to express their opinions about what is taught and receive suggestions and study their effectiveness.

Course Specification Approved Department Official Meeting No (6) Date 23 / 12 / 1435H

Course's Coordinator

Name : ISSA ALSMADI
Signature :
Date : 23 / 12 / 1435H

Department Head

Name :
Signature :
Date : ... / ... / H

