هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

2023
TP-153

Course Specification
(Bachelor)

Course Title:	Software Project Management
Course Code:	IS333
Program:	BS IT
Department:	Information Technology
College:	College of Computer and Information Sciences
Institution:	Majmaah University
Version:	*Course Specification Version Number*
Last Revision Date:	15 October 2023

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A. General information about the course:

1. Course Identification

1. Credit hours: 3 (3,0,1)					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	☐Others
B.	☒ Required		☐ Elective		
3. Level/year at which this course is offered: (Level 6)					
4. Course general Description: **This course addresses the main issues related to software project management such as project definition, scope management, planning, organization, resources, scheduling, control, quality, cost estimation, time estimation, and, risk management. Students are also introduced to project management tools such as Work Breakdown Structure, Gantt charts, PERT, and the critical path method. Topics covered also include project management ethics, and effective project manager skills such as people and leadership skills. Students should get exposed to a software package used for this purpose.**					
5. Pre-requirements for this course (if any)**:**					
6. Pre-requirements for this course (if any)**:**					
7. Course Main Objective(s): **To make the students to** 1. **Understand the need for project management, project life cycle, key elements, project constraints, and skills needed for project manager.** 2. **Apply the processes, practices, tools and techniques of project management in delivering successful IT projects.** 3. **Evaluate a project to develop the scope of work, construct WBS, identify the resources required, provide accurate cost estimates, and can use CPM, PERT and GANTT charts to develop project schedule.** 4. **Understand and use risk management analysis techniques that identify the factors that put a project at risk and to quantify the likely effect of risk on project timescales.** 5. **Recognize project ethics and perform quality control.**					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	60	100
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	45
2.	**Laboratory/Studio**	
3.	**Field**	
4.	**Tutorial**	15
5.	**Others (specify)**	
Total		60

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				
1.2				
…				
2.0	**Skills**			
2.1	Communicate effectively in a variety of	CLO3	Presentation, Lab viva	Assignments, Lab based Assignments, Lab Exam and

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
	professional contexts.			Viva , Mini Project, Mid and Final Exam
2.2				
...				
3.0	**Values, autonomy, and responsibility**			
3.1	Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles	CLO 4	Lecture, Lab exercises	Test, Lab Assignments, Final and Mid exams
3.2	Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline	**CLO 5**	Lecture, Lab exercises	Test, Lab Assignments, Final and Mid exams
...				

C. Course Content

No	List of Topics	Contact Hours
1.	Introduction to Project Management, project life cycle, key elements, project constraints, and skills needed for project manager, project ethics	8
2.	Project Management and Information Technology Context	8
3.	Project Management Processes	4
4.	Project Integration Management	4
5.	Project Scope Management, WBS	4
6.	Project Time Management, Gantt Charts, PERT, CPM	4
7.	Project Cost Management , Project Quality Management	4
8.	Project Human Resource Management, Project Risk Management, SWOT	4
9.	Software Packages	5
Total		**45**

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Assignment	Week 2, 4,8	10%
2.	Mid Term	Week 5	20%
3.	Lab based Assignments	Week 6,9	10%
4.	Final Exam	Week 11	40%
5.	Practical exam	Week 10	20%

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	Kathy Schwalbe, Information Technology Project Management, Revised, International Edition, 7th Edition, Cengage Learning, 2013.
Supportive References	
Electronic Materials	
Other Learning Materials	

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom
Technology equipment (projector, smart board, software)	LCD Projector
Other equipment (depending on the nature of the specialty)	

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Faculty	Direct
Effectiveness of Students assessment	Students	Indirect
Quality of learning resources		

Assessment Areas/Issues	Assessor	Assessment Methods
The extent to which CLOs have been achieved		
Other		

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

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	**IT COUNCIL**
REFERENCE NO.	
DATE	