

Detailed Course Description - Course Plan Development and Updating Procedures/ Computer Information Systems Department	QF01/0408-3.0E
---	-----------------------

Faculty	Faculty of Science & Information Technology	Department	Computer Information Systems
Course Number	0113445	Course Title	Project Management
Number Of Credit Hours	3	Pre-Requisite/Co-Requisite	Analysis and Design of Object Systems

This course give the concepts of project management and PM process groups. Develop a comprehensive project plan for a significant development effort. Managing project integration, strategic planning, project selection and project charter. Managing project scope and how to create scope management plan and work breakdown structure. Defining project activities, sequencing, timing, duration, activity resource estimating, activity duration estimating, schedule development/control using Microsoft Project 2010. Defining cost management and how to estimate cost, budget and control using Microsoft Project 2010. Manage project quality, quality planning, control, tools and techniques for quality control. Manage human resource and how to plan human resource and developing, managing project team. Manage project communication and how to build communication plan, performance report and how to manage stakeholders. And identify project risks, risk sources and how to manage, plan project risks and responses and finally how to analyze qualitative and quantitative risks.

Course Goals and Learning Outcomes	
Goal 1	Develop a comprehensive project plan for a significant development effort.
Learning Outcomes	1.1 Understanding the concepts of project management and PM process groups. 1.2 Learning how to manage project integration, and strategic planning, project selection and project charter.
Goal 2	Apply management techniques to projects that follow agile methodologies, as well as methodologies involve larger-scale iterations or releases.
Learning Outcomes	2.1 Learning how to manage project scope and how to create: scope management plan, project scope statement and work breakdown structure. 2.2 Learning how to define: activity, activity sequencing/timing, and activity resource estimating and scheduling using Microsoft Project 2010.
Goal 3	Effectively estimate costs for a project using several different techniques.
Learning Outcomes	3.1 Understanding the principles of cost management and learning how to estimate cost, budget and control using Microsoft Project 2010.
Goal 4	Measure project progress, productivity and other aspects of software process.
Learning Outcomes	4.1 Apply earned-value analysis techniques. 4.2 Understanding how to manage project quality, quality planning, assurance and control and tools and techniques for quality control. 4.3 Learning how to manage/plan human resource and developing/managing project team. 4.4 Learn how to manage project communication and how to build communication plan, performance report and how to manage stakeholders.
Goal 5	Perform risk management, dynamically adjusting project plans.
Learning Outcomes	5.1 Learning how to identify project risks, risk sources and how to manage/plan project risks, responses and how to analyze qualitative and quantitative risks.

Detailed Course Description - Course Plan Development and Updating Procedures/ Computer Information Systems Department	QF01/0408-3.0E
---	----------------

Textbook	Schwalbe, Kathy. "Information Technology Project Management". 8 th Edition. 2016.
Supplementary References	<ol style="list-style-type: none"> 1. Stanley E. Portny. "Project Management for Dummies". For Dummies, 4th Edition, 2013. 2. Harold R. Kerzner. "Project Management: A Systems Approach to Planning, Scheduling, and Controlling". Eleventh Edition, Wiley, 2013. 3. Carl Chatfield, and Timothy Johnson. "Microsoft Project 2013: step by step. 2013.

Course Timeline				
Week	Number of Hours	Course Topics	Pages (Textbook)	Notes
01	1	Introduction to Project Management (PM) – What is a project? – What is a project management? – The role of the project management. – The project management profession.	Chapter 1	
	1			
	1			
02	1	The PM and IT context – A system view of PM. – Understanding organization – Stakeholder management – Project phases and project life cycle. – The context of IT projects.	Chapter 2	
	1			
	1			
03	1	The PM process groups – Process groups. – Mapping the process groups to the 9 th KAs.	Chapter3	
	1			
	1			
04	1	Project Integration Management – What is project integration management? – Strategic planning and project selection. – Project charter and preliminary scope statement.	Chapter 4	
	1			
	1			
05	1	– Project management plans. – Project execution. – Monitoring and controlling project work. – Integrated change control. – Closing projects.	Chapter 4	
	1			
	1			
06	1	Exercises-project discussion Review of previous chapters First Exam (20%)		
	1			
	1			
07	1	Project scope management – What is project scope management? – Scope planning and the scope management	Chapter 5	
	1			
	1			

Detailed Course Description - Course Plan Development and Updating Procedures/ Computer Information Systems Department	QF01/0408-3.0E
---	----------------

		<ul style="list-style-type: none"> plan. – Scope definition and the project scope statement. – Creating the work breakdown structure (WBS). – Scope verification and control. 		
08	1 1 1	Project time management <ul style="list-style-type: none"> – The importance of project scheduling. – Activity definition. – Activity sequencing. – Activity resource estimating. – Activity duration estimating. – Schedule development. – Schedule control. 	Chapter 6	Using Microsoft project 2013
09	1 1 1	Project cost management <ul style="list-style-type: none"> – The importance of project cost management. – Basic principles of cost management. – Cost estimating. – Cost budgeting and control. 	Chapter 7 + Lecture Notes	Using Microsoft project 2013
10	1 1 1	Project quality management <ul style="list-style-type: none"> – What is project quality management? – Quality planning, assurance and control. – Tools and techniques for quality control. – Modern quality management. 	Chapter 8	
11	1 1 1	Project Human resource management <ul style="list-style-type: none"> – Keys to manage people. – Human resource planning. – Acquiring the project team. – Developing and managing the project team. 	Chapter 9	
12	1 1 1	Exercises Review of pervious chapters Second Exam (20%)		
13	1 1 1	Project communication management <ul style="list-style-type: none"> – Communication plan. – Information distribution. – Performance reporting – Managing stakeholders. 	Chapter 10	
14	1 1 1	Project Risk Management <ul style="list-style-type: none"> – Risk management planning – Common sources of risk on IT projects. – Risk identification. 	Chapter 11	

Detailed Course Description - Course Plan Development and Updating Procedures/ Computer Information Systems Department	QF01/0408-3.0E
---	-----------------------

15	1	<ul style="list-style-type: none"> - Qualitative risk analysis. - Quantitative risk analysis. - Risk response planning. 	Chapter 11	
	1			
	1			
16	1	Projects Discussion Final Exam 50%		
	1			
	1			

Theoretical Course Evaluation Methods and Weight	Participation = 10% First Exam 20% Second Exam 20% Final Exam 50%	Practical (Clinical) Course Evaluation Methods	Semester Students' Work = 50% (Reports, Research, Quizzes, Etc.) Final Exam = 50%
---	--	---	---

Approved by Head of Department		Date of Approval	
---	--	-------------------------	--

Extra information (to be updated every semester by corresponding faculty member)

Name of Teacher		Office Number	
Phone Number (Extension)		Email	_____@zuj.edu.jo
Office Hours			