



**Jordan University of Science and Technology**  
**Faculty of Computer & Information Technology**  
**Software Engineering Department**

SE440 Project Management
Summer Semester 2019-2020

Course Catalog
3 Credit Hours. This course introduces the basic concepts of Software Project Management (e.g. Software Project Definition, Project Team Building and Management, Project Manager's Role, etc.). It also examines techniques related to project formation, acceptance, and funding. It also covers the project life cycle, work breakdown structure (WBS), Gantt charts, scheduling techniques, and resource allocation, estimation including return on investment, cost/benefit analysis and earned value. It also emphasizes the role of Risk and Contingency Management and Quality Assurance and Control Management.

Text Book	
<b>Title</b>	Introduction to Information System Project management, David L. Olson, Mc Grow Hill 2003, 2nd Edition
<b>Author(s)</b>	David L. Olson, Mc Grow Hill
<b>Edition</b>	2nd Edition
<b>Short Name</b>	Ref #1
<b>Other Information</b>	

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Ref#2	SWEBOK V3.0 (Chapter 7: Software Engineering Management) ? Guide to the Software Engineering Body of Knowledge. Editors: Pierre Bourque and Richard E. (Dick) Fairly. IEEE Computer Society.	--	1st Edition	
Ref#3	Wikipedia (Project Management): <a href="https://en.wikipedia.org/wiki/Project_management">https://en.wikipedia.org/wiki/Project_management</a>	-	1st Edition	
Ref#4	4- TOP 10 OPEN SOURCE PM SOFTWARE: <a href="http://blog.capterra.com/free-open-source-project-management-software/">http://blog.capterra.com/free-open-source-project-management-software/</a>	-	1st Edition	
Ref#5	MS-Project Software V10 or higher	Microsoft	13th Edition	

Instructor	
Name	Dr. MOH'D RADAIDEH
Office Location	N2L0
Office Hours	Sun : 11:30 - 13:30 Mon : 11:30 - 12:30 Tue : 11:30 - 13:00 Wed : 11:30 - 13:00
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Class Schedule & Room
Section 1: Lecture Time: Sun, Mon, Tue, Wed : 08:30 - 10:00 Room: منصة الكترونية
Section 2: Lecture Time: Sun, Mon, Tue, Wed : 10:00 - 11:30 Room: منصة الكترونية

Prerequisites		
Line Number	Course Name	Prerequisite Type
1763200	SE320 System Analysis And Design	Prerequisite / Study

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2, 3, 4	UNIT #1: Introduction To Project Management	From Ref #1, From Ref#3
Week 5	UNIT #2: SWEBOK V3.0	From Ref#2

Weeks 6, 8, 9, 10, 11, 12	UNIT #3: Building Software Project Detailed Plans - A Case-Study-Based Approach (CSBA)	From Ref #1, From Ref#3, From Ref#4, From Ref#5
Week 7	1st Midterm Exam & Project Presentations Week	
Weeks 13, 14	UNIT #4: Project Contracts and Execution	From Ref #1, From Ref#3, From Ref#5
Weeks 15, 16	Project Assignments Final Reports & Presentations	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Apply of the Basic Terms & Concepts of Software Project Management. [1EA3p, 1SM2p, 1SM3p]	10%	
Apply the Typical Software Development Methodologies such as SDLC, RAD, JAD, Agile Software Development, etc. [1D1p, 1D3p, 1EA1p, 1EA4p, 1SM1p]	5%	
Demonstrate the Essential Skills that make a Project Manager effective and successful. [1D4p, 1D6p, 1ET1p, 1ET2p, 1ET3p]	5%	
Build Software Project Detailed Plans incorporating Project Charters, Work Breakdown Structure (WBS), Tasks Scheduling, Dependencies, Resource Planning and Allocation (Staff, Equipment & Material Resources), GANTT Charts, Team Structure, Team Building Process, Team Management Process, Team Correspondence Process, Costing and Estimations, Change Management Process, Quality Control Process, Risk Management Process, Progress Reports, and Work Environment Description and Circumstances. [1D1p, 1D5p, 1EA4p, 1EP1p, 1EP4p, 1ET4p]	40%	
Prepare Software Project Contracts based on their Detailed Plans. [1EP5p, 1EP6p, 1EP7p, 1ET5p]	25%	
Explain how a Software Project is Executed (Kick Off Project Closure). [1D2p, 1D5p, 1D6p, 1EP2p, 1EP3p, 1EP7p, 1EP9p, 1ET6p]	15%	

Relationship to Program Student Outcomes (Out of 100%)																														
A	B	C	D	E	F	G	H	I	J	K	SM1p	SM2p	SM3p	EA1p	EA2p	EA3p	EA4p	D1p	D2p	D3p	D4p	D5p	D6p	ET1p	ET2p	ET3p	ET4p	ET5p	ET6p	EP1
											1	3.33	3.33	1		3.33	7.67	7.67	1.88	1	1	8.54	2.88	1	1	1	6.67	6.25	1.88	6.67

Evaluation	
Assessment Tool	Weight
Midterm Exam	30%
Course Project Part 1	20%
Final	50%

Policy	
Exams	The format of the exams is generally as follows: General Definitions, Multiple-Choice, True/False, Analyze a Problem, Essay Questions, etc.
Makeup Exams	No makeup exams unless valid excuses are presented.
Drop Date	Last day to drop the course is according to JUST regulations.
Academic Honesty	* Cheating or copying on exam or quiz is an illegal and unethical activity. * Standard JUST policy will be applied. * All graded assignments must be your own work (your own words).
Attendance	* Excellent attendance is expected. * JUST policy requires the faculty member to assign ZERO grade if a student misses 20% of the classes. * If you miss a class, the student will be responsible for finding out about any announcements or assignments he/she may have missed.
E-Learning	It is your responsibility to check the course's e-Learning website regularly (at least once every 2-3 days) for announcements and material.
Workload	The student should expect to spend 6 hours per week as an average workload.

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