Course Title: Information System Project Management	Course code: 0731316
Course Level: 2	Course prerequisite (s) and/or co requisite (s):
Lecture Time: 08:10 – 09:00	Credit hours: 3

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Dr. Rashid Al-zubidy	Associate Professor	**7308 IT Building**	Sunday, Tuesday Thursda 13:00 – 14:00	rzubidy@philadelphia.edu.jo

Course module description:

The concept of project management, Stages of the life cycle of the project in general and software projects in specific, Location of project management on the organization chart. Selection of the project manager, planning for project implementation: project scheduling: CPM and PERT, Gannt chart, Acceptance or rejection of the project, Budget and cost control of the project, Feasibility study of the project.

Course module objectives:

To introduce the different projects management technologies. Effective project management ensures that a project is completed on time, within budget, and with high quality. Specific techniques for accomplishing these three goals are not always so obvious. The purpose of this course is to make these techniques more obvious, and expose the student to a variety of techniques to manage the budget, schedule, and quality of software projects.

Course/ module components

☐ **Books (title , author (s), publisher, year of publication)**

> **Project Management for Information Systems**, James Cadle, Donald Yeate, Fourth Edition, Prentice Hall, 2008.

☐ **Support material (s) (vcs, acs, etc).**
☐ **Study guide (s) (if applicable)**
☐ **Homework and laboratory guide (s) if (applicable).**

Teaching methods:

Duration: 16 weeks in the semester, 48 hours in total**.**
Lectures: 36 hours, 3 per week (plus two 1-hour midterm exams).
Project: 09 hours free Lab works.
Seminars: 3 hours (Last Week).

Learning outcomes:

☐ Provide a brief introduction to general issues of project management.
☐ Provide students with a clear understanding of the unique risks, issues, and critical success factors associated with Information Technology projects
☐ Introduce students to the role and function of project management
☐ Explain the stages and process of the project life cycle
☐ Understand the various techniques for planning and managing IT projects.
☐ Examine basic methodologies for software design, development, testing and implementation
☐ Examine various techniques for managing a software development team
☐ Understand the need and techniques for managing users and user expectations
☐ Learn project planning techniques through the use of different tools (e.g. Microsoft Project)

Assessment instruments
☐ Short reports and/ or presentations, and/ or Short research projects
☐ Quizzes.
☐ Home works
☐ Final examination: 40 marks

Allocation of Marks	
Assessment Instruments	**Mark**
First examination	**20%**
Second examination	**20%**
Final examination: 50 marks	**40%**
Reports, research projects, Quizzes, Home works, Projects	**20%**
Total	**100**

Documentation and academic honesty

☐ Documentation style (with illustrative examples)
☐ Protection by copyright
☐ Avoiding plagiarism.

Course/module academic calendar

Week	Topic
1	**Course Overview** - Course Introduction -Project Management (PM) Fundamentals -The PM field and job market -People, Process, Product, Technology
2	**Overview of Project Management** -Introduction to Project Management -Goals of project management - Roles and responsibilities - Project selection models - PM Processes - Software project phases. - Organizational structures.
3 4	**Software Product Development** - Introduction to Software development - Software Development Life Cycle - Process models - Work Breakdown Structures (WBS)
5	Software Quality - Time, Cost and Quality Management - Identifying and using appropriate tools and - Techniques to manage project variables.
6	**Hands-on MS-Project** - Using MS-Project
7	*Project Management Software* - Creating a Work Breakdown Structure in Microsoft Project -Managing project elements with Microsoft Project - **First Exam.**
8 9	**Scheduling** -Project network diagram fundamentals - PERT techniques - Gantt charts

	- Critical chain scheduling	
10	**Risk and Change Management** - Risk management - Change control -More MS-Project	
11	***Development Management*** - Team models - Requirements process - Configuration management - Software metrics -Programming languages & tools -Managing conflict and motivating	
12	**Project Control** - Status reporting - Project metrics - Earned value analysis - Communications Techniques - Process Improvement **Second Exam.**	
13	***Final Phases & Other Issues*** - Project Recovery - Documentation - Cutover/Migration - Post Project Reviews - Closing	
14	***Project Success*** - Management support - Expectations - Success metrics - Project Termination -Critical project success factors - Project termination types - Why projects fail - Feasibility Study	
15	**Project Presentation**	
16	**Review and Final Exam**	

Expected workload:

On average students need to spend 2 hours of study and preparation for each 50-minute lecture/tutorial.

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<u>Attendance policy</u>:

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant college/faculty shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

Module references

Books

1. Information Technology Project Management, Schwalbe, Kathy, 2nd ed.,
Course Technology, 2002, ISBN 0-619-03528-5.

2. Successful Project Management, Gido, Jack & James P. Clements,
(1999). International Thompson Publishing.
3. Project Management, M.K. Latest Edition
4. Microsoft Office Project 2003 Step by Step, Carl Chatfield, Timothy Johnson.

6. IT Project Management: On Track from Start to Finish, by Joseph
Philips.

Software

Microsoft Project 2000 or 2003

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