

IS 540 – Software Project Management and Quality Assurance
1st Semester Academic Year 1438/1439 - Credit Hours: 3 hours
Section 63841: Meeting Time: Monday (2:00PM-4:50PM)

Instructor **Dr. Ahmad Alhamed**
E-mail **aalhamed@ksu.edu.sa**
Course website **KSU LMS**
Office **Room 2053**
Office Telephone
Course Coordinator

Course Description:

Preparing for project: Project financial analysis and risk evaluation, Procurement models, Proposal strategies, technical, management and cost proposal. Project planning. Managing the project design effort and team: Preparing the system design, functional, and program specification; Technical quality assurance, managing the project's implementation and acceptance phases. Post-completion analysis. Advanced project management techniques. Software quality assurance and control, Software metrics.

Course Objectives:

After completing this course, students should be able to -

- Understand and apply basic project management theories and practices
- Understand and apply major phases of the project management life cycle
- Establish and direct a high performing project team.
- Identify and validate project goals and requirements.
- Define project scope
- Establish project estimates and schedules
- Develop Work Breakdown Structures
- Develop and maintain workable IT project plans
- Understand and manage project execution activities and processes
- Understand and perform the role of project manager
- Terminate a project with an effective close-out strategy

Course Schedule

Week	Topics	Chapter	Exams
1	Introduction to Project Management	Chapter 1	
2	The Project Management and Information	Chapter 2, 3	
3	The Project Management Process Groups:	Chapter 4	
4	Project Integration Management	Chapter 5	
5	Project Scope Management	Chapter 6	
6	Project Time Management	Chapter 7	
7	Review		Mid-term Exam
8	Project Cost Management	Chapter 8	
9	Project Quality Management	Chapter 9	
10	Project Human Resource Management	Chapter 10	
11	Project Communications Management	Chapter 11	Project presentations
12	Project Risk Management	Chapter 12	
13	Project Procurement Management	Chapter 13	
14	Review		Final Exam

Textbook(s) and/or Other Required Materials:

Primary: **Managing Information Technology Projects**
 Authors: Kathy Schwalbe
 Publisher: Course Technology; 8 edition (October 27, 2015)
 ISBN-10: 1285452348
 ISBN-13: 978-1285452340

Methodology

- Lectures
- Students' assignments and activities, such as, papers review and critique, projects, reports, and presentations.
- Discussions
- Completion of the assigned reading

Assessment Plan:

Scientific paper presentations	15%
Course Project	25%
Mid-Term Exam– (<i>week # 7</i>)	20%
Final Exam- (<i>Comprehensive Exam</i>)	40%
Total	100%

Attending Policy: Attendance will be recorded during each class meeting and KSU rules will be implemented concerning the absence. Also, your grade may be affected for absence without accepted excuse.

General Policy: Assignments are due at the announced due date. Late assignments will only be accepted in extenuating circumstances.

Students with Disabilities:

If you need assistance, please contact the department officials. If you feel that you need special accommodations, due to the physical or other situation, please let me know at the beginning of the semester.