

IT 450
Project Management I
Fall 2009

Catalog Description:

450-3 Project Management I. This course is designed to provide students with an overview of the project management process followed by an in-depth examination of the activities needed to successfully initiate, plan, schedule, and control the time and cost factors of the project.

Prerequisite: IT 375, 382, 392, or consent of instructor.

Major topics: Why Project Management?, The Organizational Context, Project Selection and Portfolio Management, Leadership and the Project Manager, Scope Management, Project Team Building, Conflict and Negotiation, Risk Management, Cost Estimation and Budgeting, Project Scheduling with Critical Chain, Resource Management, Project Evaluation and Control, and Project Closeout and Termination

Course Objective:

1. Explain or define terminology associated with project planning and scheduling including; project, project management, project life cycle, typical phases of project planning and execution, work breakdown structure, and scheduling terms.
2. Develop and defend the appropriate plans and documentation needed to initiate a project including project charter, scope, team organization, work authorization system, and change control system.
3. Working from case studies, analyze project requirements and develop a work breakdown structure for the project.
4. Prepare both manual and computerized schedules and resource allocation information for a project.
5. Analyze project time requirements and adjust the schedule to account for scope changes, resource constraints, and project problems.
6. Analyze cost requirements and develop a project budget.
7. Demonstrate awareness of contemporary project management literature.

Important Dates/Times:

Class meets Saturday and Sunday 8/29-30, 9/12-13, and 9/26-27 from 8:00am-4:30pm

Test 1 – Afternoon 8/30

Test 2 – Afternoon 9/13

Test 3 – Afternoon 9/27

Assessment Methods:

Grade scale 90/80/70/60

1. 3 Exams (100 points each, all comprehensive)
 2. 3 Homeworks (10 points each)
 3. 1 Project (100 points)
 4. No late work accepted
 5. Class participation (attendance)
- Total Points = 430 points

Note: College policy on cheating and plagiarism will be adhered to.

Topical Outline:

Chapters 1 through 6	Test 1
Chapters 7 through 10	Test 2
Chapters 11 through 14	Test 3

Project:

1. It is recommended that each project team will be composed of at least 3 members.
2. Each project team will select a project to develop for the course.
3. Several of the chapters in the text have an Integrated Project Exercise at the end of the chapter. Reviewing the Integrated Project Exercise should assist the team in completing the project.
4. You may choose any project that you wish to develop.
5. Each project must consist of the following elements:
 - a. Assume this to be a “real world” project.
 - b. Determine the stakeholders that would be involved.
 - c. Develop a risk assessment of your project.
 - d. Develop a budget for your project.
 - e. Develop a critical path analysis.
 - f. Present your critical path analysis in Gantt chart form.
 - g. Defend your decisions and choices in a written report containing all of your back up information.
6. Some class time will be utilized to coordinate projects with team members.

Text and Supplies:

Required: Textbook: Project Management: Achieving Competitive Advantage, by Jeffrey K. Pinto, Pearson/Prentice Hall, 2007.
Scientific calculator (must have average, standard deviation, etc)

Recommended: Access to Microsoft Excel and Project 2003 or similar programs

Class Layout:

Homework assignment – Q/A – Lecture – Exercise/Exam

Instructor:

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Disclaimer:

Circumstances may require some changes to this syllabus.