

Course Syllabus

Course Title – Project Management Information Systems

ECTS credits– 4

Auditorium hours -34

Professor/ Instructor– Vardan Sargsyan

Instructors E-mail – varsarg@yahoo.com

Class website – n/a

COURSE DESCRIPTION

This course provides an overview of the roles, responsibilities, and management methods of the technology project manager. The course assumes no prior knowledge in management techniques and is intended to teach students how to develop approaches and styles of management for software projects. The course assumes a basic understanding of analysis techniques.

Course Objectives

- A. To provide students with a clear understanding of the unique risks, issues, and critical success factors associated with business projects
- B. To introduce students to the role and function of project management
- C. To explain the stages and process of the project life cycle
- D. To understand the various techniques for planning and managing a project
- E. To examine basic methodologies for business design, development, testing and implementation
- F. To examine various techniques for managing a business development team
- G. To understand the need and techniques for managing users and user expectations
- H. To learn project planning techniques through the use of Microsoft Project

Grading

Final	50%
Course Project	20%
Attendance/Class Participation	30%

Required Textbooks

1. Rapid Development, McConnell, Steve, Microsoft Press, 1996, ISBN 1-55615-900-5.
2. Information Technology Project Management, Schwalbe, Kathy, 2nd ed., Course Technology, 2002, ISBN 0-619-03528-5 (this text includes a 120 day evaluation copy of MS-Project 2000).
3. MS Project published by Microsoft

Software

Microsoft Project 2003, 2007 or any other version

Topics

Course Overview

- Course Introduction
- Project Management (PM) Fundamentals
- The PM field and job market
- People, Process, Product, Technology
- 36 Classic Mistakes

Overview of Project Management

- PMI Processes
- Software project phases
- Organizational structures
- Project charter
- Statement of Work (SOW)

Project Management software

MICROSOFT PROJECT,

- overview and history
- Interface
- tables
- views

Planning Phase

- Project plan
- project triangle
- Project plan options
- calendars

Task system

- task list
- task phases
- connections, lags and leads
- task constraints
- recurring tasks
- deadline
- task types

Project resources

- resource types
- resource list

Project plan analysis and optimization

- resource overlocations and underlocations
- levelling

Project tracking

- indicators
- earned value analysis

Project reporting