

ETI 4448 Applied Project Management

Spring 2010

Class Time: Monday, 7:10 - 10:00 pm,
Fleming-427 (live in Boca), LA-148 & MP-114 (video-cast in Davie & Port St. Lucie)

Instructor: Dr. Michael Van Hilst

Office Hours: SE 400, Monday 3:30-6:30, Wednesday 3:30-5:30

Textbooks and Software:

- *Effective Project Management: Traditional, Adaptive, Extreme*, 5th edition, by Robert K Wysocki, Wiley, 2009, ISBN 978-0-470-42367-7 (EPM)
- Microsoft Office Project 2007 (free through [MSDNAA](#))
- GanttProject (free from ganttproject.biz website)

Prerequisite: Senior Standing, BIET Major

Catalog Description: Course topics include statement of work, milestones, activity decisions, timelines, scheduling, and resource allocation methods. The course examines projects within the framework of planning, organizing, managing, and control. The course is application oriented using Microsoft Project as a tool to assist in applying the project techniques. Open only to students in the B.I.E.T. program.

Course Objectives

Students will be able to

1. Understand the concepts and issues of project management
2. Apply fundamental concepts of project management
3. Use project management tools including Microsoft Project
4. Function as project management team member

Syllabus

1. Course Introduction
 - EPM Introduction to Project Management
 - EPM Ch. 1: What is Project Management
2. EPM Ch. 2: Understanding the Project Management Body of Knowledge
3. EPM Ch. 3: Defining the Project Scope and Requirements
4. EPM Ch. 4: Building the Work Breakdown Structure
5. EPM Ch. 4: Estimating Duration, Resource Requirements, and Cost
6. EPM Ch. 4: Project Network Diagram and Planning for Risk
7. EPM Ch. 5,7: Project Launch, Project Close

8. EPM Ch. 6: Execution, Monitoring and Control, Change Management
9. EPM Ch. 9,10: Traditional & Critical Chain Project Management
10. EPM Ch. 8: Project Management Issues and Landscape
11. EPM Ch. 11: Agile Project Management
12. EPM Ch. 12: Extreme Project Management
13. EPM Ch. 14: Project Portfolios
14. EPM Ch. 15: Process Improvement

Assignments

There will be weekly assignments to produce project management documents. Students must submit a first draft in the week assigned. Students will then have opportunities to improve the document (and their grade) in response to instructor feedback, in the following 2 weeks.

1. Conditions of Satisfaction
2. Project Overview Statement
3. Requirements Breakdown Structure
4. Work Breakdown Structure
5. Gantt Chart Dependency Graph
6. Gantt Chart & CPM Schedule
7. Project Final Report
8. User Stories
9. Phase Plan

Exams

There will be a Midterm in week 7 and a Final Exam at the end. Both exams will be multiple choice.