

**MGSC 872 Project Management
Summer 2007
Syllabus**

Class: Tuesday, 6:00 – 8:30 p.m.,
Instructor: Dr. Tim Fry
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E-Mail: Timfry@moore.sc.edu
Required Text: Project Management Professional Study Guide; Kim Heldman
ISBN:0-7821-4106-4

Critical Chain; Eli Goldratt, Northriver Press, ISBN: 0-88427-153-6

Grading

| | |
|------------|-----|
| Mid-Term | 20% |
| Final Exam | 40% |
| Project | 40% |

Course Objectives

This course is designed to provide the student with a general understanding of the field of project management. This includes managerial issues as well as technical issues. Emphasis will be given to real-world applications of the materials covered in class. Materials presented in class will include many of the topics related to PMP certification and the Project Management Body of Knowledge(PMBOK).

Individual or Group Project

Successful completion of this course requires each student to develop a complete plan, budget and schedule for the project that your company is currently doing. In the event that you have difficulty finding such a project, I will provide one to you. You may decide to do this project by yourself or with several other students. In the event that several students are involved, the project must be rich enough in complexity to warrant the number of students in your group. For those students deciding to do a project alone, the project must still have enough meat to it to warrant being used for this assignment. The acceptance of each project is at the sole discretion of the professor.

Throughout the class, various assignments will be completed by individual/group to be turned in for grade. These assignments will be related to the project you have selected and will become part of the final project proposal you turn in at the end of the semester.

In order to thoroughly understand these project management techniques and thus do well in this class, you must stay current with the assignments and readings. I expect each student to be able to discuss the topics assigned for each class as well as any cases that are included. Likewise, we will often discuss each of your projects in an open class discussion format to hopefully allow others to help you as you develop your project proposal. It is important that you choose a project that is relevant to your jobs if at all possible.

Each project will be presented to the class on Saturday (8/18). At that time you will be expected to present a complete plan for your project complete with budget, time estimates, schedules, scope statement, work breakdown structure, precedence network, risk assessment, etc. A complete description of the requirements for this project will be provided during the first class on 7/17. All students will critique your presentation and how well you have planned your project. In addition, students will be expected to discuss each project after it has been presented.

Finally, each student will be expected to develop a working knowledge of Microsoft Project. As students of the Moore School, you have access to the software and a tutorial that goes with it. I do not expect you to become Project wizards but I do expect you to be able to perform basic tasks. To get access to the software and the tutorial, you need to e-mail Ronnie Pugh at rpugh@moore.sc.edu and ask for access to Project from the alliance. Please get started on this early and on identifying your project as we have to move quickly for the class. You have no time to waste.

Summary

This course requires a great deal of work. My belief is that an individual learns best by doing rather than by simply listening. As such, this is why I require the project. Although the project stops short of controlling and monitoring progress, it encompasses all aspects of project planning and scheduling. Upon completion of this course and assuming you make a concerted effort toward the planning of the project, you will be well on your way toward PMP certification. If you decide that the certification is not something you wish to pursue, the material covered will be a valuable asset to your portfolio of skills.

| <u>Class</u> | <u>Topic</u> | <u>Readings/Assignments</u> |
|--------------|---|---|
| 7/17 | Intro to Project Management Project Discussions, PMBOK | Chapters 1, 2, Assignment 1 |
| 7/19 | Project Life Cycles, RFP, Proposals “The LOGON System”, Project Charter Project Scope, Project Organization | Chapters 3,4 |
| 7/21 | Resource Management Work breakdown structure Responsibility Matrix | Chapter 5 Assignment 2 |
| 7/24 | Activity list and Definition Time and cost estimation | Chapter 5 Assignment 3 |
| 7/26 | Precedence Diagramming, Risk Management Planning, contracts | Chapters 7, 9 pp. 268-283 Assignment 4 |
| 7/31 | PERT and CPM | Chapter 7, Assignment 5 |
| 8/2 | Resource Scheduling | Assignment 6 |
| 8/7 | Mid-Term Exam, Project discussions | |
| 8/9 | Project Control/ EVA | Chapter 9, Assignment 7 |
| 8/14 | Project Budgeting Resource scheduling | Chapter 9 |
| 8/16 | Scope Management Plan Project Closure , Professional Responsibility | Chapter 11,12 Assignment 8 |
| 8/18 | Project Presentations | |
| 8/21 | The Critical Chain | “ The Critical Chain” by Goldratt |
| 8/23 | Final Exam | |

Project Management Assignments

| <u>Number</u> | <u>Assignment</u> | <u>Due Date</u> |
|---------------|--|-----------------|
| 1 | Project Description | 7/17 |
| 2 | RFP, Rough Draft of Scope Statement | 7/21 |
| 3 | WBS and Responsibility Matrix | 7/24 |
| 4 | Activity List, Work Package Dictionary | 7/26 |
| 5 | Project Network using AON format | 7/31 |
| 6 | Critical Path Schedule | 8/2 |
| 7 | Risk Management Plan | 8/9 |
| 8 | Early start and late start budgets | 8/16 |