



Computer Engineering Department
Giza, 12613 EGYPT

GEN225A

Project Management

Fall 2011

Instructors: Dr. Ahmed M. Darwish
Dr. Hesham Ibrahim
Eng. Sameh Bedair

Time: Lecture: Thurs. 12:15-1:45 PM Rm3702
Office hours: by appointment.

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Course Description:

This is a one-semester course that addresses the fundamentals of project management. Besides theoretical basis, attention will be given to applied issues with the objective that by end of course, students be able to go through the different phases of a project starting from forming and initiating it to completion while touching upon important topics such as budgeting and risk. Topics covered will span both the project and the project manager. In the first arena topics will include: project selection, goal setting, resource and cost estimating, and project planning organizing, controlling and others. For the project manager topics will include: role, team building, conflict resolution, and others.

Course Objectives:

Help the student:

- Understand the theoretical foundations of project management.
- Practice the fundamentals of project management.
- Elaborate the importance of professional project management and encourage students to join one of the international societies or associations.
- Increase the student's ability to function effectively on a project team.
- Increase the student's ability to function effectively as a project manager.
- Explore the effect of different parameters on the course of the project.
- Analyze difficulties and hurdles and suggest and compare different candidate actions and plan revision.
- Decide which management schemes are the most suitable for the project under hand.
- Assess the performance of the implementation of the project plan.
- Use the presented techniques for other applications in life.
- Understand the upper limitations of current techniques.

Prerequisite:

- Logic Thinking
- Professional Writing
- Presentation Skills
- Communication Skills
- Preferably Negotiation Skills

Text:

Phillips, Joseph, *IT Project Management: On Track from Start to Finish*, 3rd ed., McGraw-Hill 2010.

References:

De Baar, Bas, *Project Shrink The Linear Edition*, 2009.

Heerkens, Gary, *Project Management*, McGraw-Hill 2002.

Kerzner, Harold, *Project Management: A Systems Approach to Planning, Scheduling, and Controlling*, 7th ed., Wiley 2001.

Course Material:**Professional Certifications:**

Project Management Institute, *A Guide to the Project Management: Body of Knowledge (PMBOK® Guide)*, PMI.

Phillips, Joseph, *Project Management Professional Study Guide*, 3rd ed., McGraw-Hill 2009.

Heldman, Kim, *Project Management Professional Study Guide*, Sybex 2002.

Software:

Microsoft Project (License keys will distributed, Manuals available online)

Grade distribution:

Project, reports and presentations	30% of GEN225A&B
Final exam	To be decided

Lecture Sequence:

Due to the late start of the semester and the 2 vacations (6th of October and Adha), lectures count will be 12 instead of 15. The suggested sequence is as follows:

1. Introduction
2. PMI Standard
3. Initiating the Project - Managing the Project Scope - Planning the Project
4. PMI Initiation process group – Planning process group (part 1)
5. Working with Management - Effect of Organizational Structure
6. Creating the Budget
7. Organizing a Project Team and Managing Teams
8. Building the Project Plan - PMI Planning (part 2) – Execution process group
9. Introduction to Microsoft Project
10. Main functions of Microsoft Project
11. Enforcing Quality - PMI Monitoring and Control Tools and Techniques.
12. Risk - Revising the Project Plan - Completing and Delivering the Project.

Administrative:

- Information distribution: All students are required to submit their preferred e-mail account within the first week of classes to which class announcements will be sent. It is the student responsibility to check his e-mail regularly.

- **Deadlines:** All graded assignments are due before midnight on the date posted. One-day late assignments are only worth 75% of the grade and two days late assignments are worth 50%. Don't bother to submit it after that!!
- **Grade Changes:** If you feel that an error was made in grading an assignment or an exam, you must present it immediately to the instructor. If you take the exam home the grade is considered final. If you keep the homework assignment for two days the grade is also considered final.
- You are expected to attend all class meetings and examinations. You are responsible for all material covered in each lecture, for every announcement made any time during any class period or examination and for any handouts. If you must miss a class, find out what you missed quickly.
- No make-up exams will be given. Interpolation of an exam grade is possible with an official absence excuse.
- **Honor System:**
Honor code adherence is expected in all phases of this class. All graded work is expected to be the original work of the individual, or of the team if allowed, unless otherwise directed by the instructor. In working on assignments, discussion and cooperative learning is allowed and, in fact, encouraged. Copying or otherwise using another team's programs, specific algorithms, or other detailed solutions to projects is an honor code violation. Please discuss any questions that you may have about what is permitted or not permitted with the instructor.
- **Special Needs or Circumstances**
Any students with special needs or circumstances should feel free to meet or contact the instructor