



**IE 411.001 ENGINEERING MANAGEMENT
COURSE SYLLABUS: FALL 2015
TR 11:00am – 12:15pm, AGIT 211**

Instructor: Dr. Pelin Altintas-deLeon
Assistant Professor
Department of Engineering & Technology
Office Location: Charles J. Austin Engineering & Technology Building, Room 215
Office Hours: MW 10:00am – 11:30am
TR 10:00am – 11:00am or by appointment
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COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings:

Textbook Required: *Project Management, The Managerial Process*
Erik W. Larson and Clifford F Gray / 6th edition.
Publisher: McGrawHill Education
ISBN- 978-0-07-809659-4

Instructor will provide handouts and use selected-Websites as references too.

Course Description:

Techniques relating to managing engineering activities; engineer's transition into management; engineering managerial functions; motivation of individual and group behavior; productivity assessment/improvement; managing the quality function and communications. Prerequisites: Senior classification in Industrial Engineering.

(2015-2016 Undergraduate Catalog, Texas A&M University-Commerce,
<http://catalog.tamuc.edu/undergrad/colleges-and-departments/college-of-science-and-engineering/engineering-technology/industrial-engineering-ie-bs/>)

Student Learning Outcomes:

Upon completion of this course, the student will be able to:

1. Identify and use the tools of project management,
2. Effectively use project reporting tools and techniques,
3. Understand and appraise the changing business climate and how the changes have impacted project management
4. Understand the importance of risk, cost, schedule and resource control and management of a project,
5. Understand the need for effective project management skills, training and the specific training needs of project managers,

6. Demonstrate an understanding of the role of Project Management vs. Functional Management,
7. Write clear goal and objective statements and establish measurable criteria for project success,

COURSE REQUIREMENTS

Instructional / Methods / Activities Assessments

This course utilizes lectures and assignments to assist students in achieving the course learning outcomes. The assessment criteria for the stated student learning outcomes will include assignments, exams, and a final exam.

Assignments: 20% of total course grade

Problems will be assigned to support the instructional material (either in-class assignment or homework assignment). Students will have an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice. Students will have an ability to communicate effectively.

Exams and final exam: 80% of total course grade

Exam #1, Chapters 1 thru 4.0

Exam #2, Chapters 5.0 thru 7.0

Final Exam, Comprehensive plus Chapters 8 & 13.

Grading

Exam 1	25%	Final Grade: A	90 – 100
Exam 2	25%	B	80 – 89
Assignments	20%	C	70 – 79
Final Exam	30%	D	60 - 69
		F	Below 60

TECHNOLOGY REQUIREMENTS

The following technologies will be required for this class.

- Microsoft Project software will be utilized for this class.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures:

1. Each exam will be given in class. Exams are no book and closed notes. The final exam is comprehensive.
2. No late assignment is accepted!
3. The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.
4. You will be expected to do all the readings throughout the semester.
5. No make-up exams will be permitted unless official documentation for absences is provided (e.g., death in the family, illness).

Academic Dishonesty

Texas A&M University-Commerce will not allow plagiarism in any form. The students' course works should be their own. Plagiarism represents disregard for academic standards and is strictly against University policy. If you have a question regarding academic dishonesty and integrity, please talk to the instructor or refer to the Code of Student Conduct from Student Guide Handbook.

University Specific Procedures:**ADA Statement****Students with Disabilities**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Gee Library- Room 132

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148

Email: Rebecca.Tuerk@tamuc.edu

Website: Office of Student Disability Resources and Services

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

Nondiscrimination Notice

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

Student Conduct: All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. (See Code of Student Conduct from Student Guide Handbook).

Students are expected to attend all class periods and to be prepared for each class.

Students are expected to refrain from any disruptive behaviors during class, which includes but is not limited to working on assignments/projects from another course, reading non-course materials, or using the computer for non-class purposes. Cell phones, iPods, and other electronic devices should be turned off during class.

COURSE OUTLINE / CALENDAR

Week	Dates	Topics	Assignments
	Aug 31	- First day of class.	
Week 1	9/1, 9/3	- Introduction to project management.	- Read Ch. 1
	Sept 7	- Labor Day – University Closed.	
Week 2	9/8, 9/10	- Organization strategy and project selection.	- Read Ch. 2
Week 3	9/15, 9/17	- Organization: Structure and culture	- Read Ch. 3
Week 4	9/22, 9/24	- Defining the project.	- Read Ch. 4
Week 5	9/29, 10/1	- Defining the project.	- Read Ch. 4
Week 6	10/6, 10/8	- Exam 1 - Estimating project times and costs.	- Read Ch. 5
Week 7	10/13, 10/15	- Estimating project times and costs.	- Read Ch. 5
Week 8	10/20, 10/22	- Developing a project plan.	- Read Ch. 6
Week 9	10/27, 10/29	- Developing a project plan.	- Read Ch. 6
Week10	11/3, 11/5	- Managing risk.	- Read Ch. 7
Week 11	11/10, 11/12	- Exam 2 - Scheduling resources and costs.	- Read Ch. 8
Week 12	11/17, 11/19	- Scheduling resources and costs.	- Read Ch. 8
Week 13	11/24	- Progress and performance measurement and evaluation.	- Read Ch. 13
	Nov 26 & 27	- Thanksgiving Break – University Closed.	
Week 14	12/1, 12/3	- Progress and performance measurement and evaluation.	- Read Ch. 13
Week 15	12/8, 12/10	- Progress and performance measurement and evaluation.	- Read Ch. 13
	Dec 11	- Last day of class.	
Week 16	December 15	- Final Exam – 10:30am to 12:30pm	