

Meetings: 8/20&21, 9/17&18, 10/15&16, 11/12&13, 12/2&3. 1:00 to 5:00 PM in TCC 2.110.
Instructor: Dr. Bruce McCann, mccann@ece.utexas.edu, ENS 330, (O) 471-1363, (H) 347-8511.
Office Hours: By appointment. (See topic V below.)
Course Website: <http://courses.utexas.edu/>
Required Texts: *Project Management: Engineering, Technology and Implementation*, by Shtub, Bard and Globerson.
Software Project Management in Practice, by Pankaj Jalote.
The Mythical Man-month, Anniversary Edition, by Frederick P. Brooks, Jr.

- I. Description:** Management, engineering, and evaluation approaches applicable to a spectrum of software development programs is taught. General guidelines, metrics, program artifacts, and processes will be discussed in conjunction with case studies.
- II. Grading:** 20% for homework, 40% for Mid-term Exam, 40% for Final Exam.
- III. Homework Policies:**
- A. Homework assignments will be posted on the course website. Assignments are subject to change as the semester progresses. Please check the website after each class session.
 - B. Collaboration on homework is permitted and encouraged. However, copying is not permitted. Each student must work each assignment individually.
 - C. Please seek help from me or the TA by email or telephone. Answers to questions of general interest will be posted on the course website or broadcast by email.
 - D. Assignments due dates are listed on the syllabus or in class. Homework submitted when due will be graded and returned at the following class session. Homework submitted in class will be returned the next month. Homework assignments will be accepted after the corresponding class session only under exceptional circumstances.
- IV. Exam Policies:**
- A. Two exams will be given in class during the semester.
 - B. If you do not understand what I am asking in a question, ask me during the exam - don't tell me later that the problem was unclear.
 - C. I will reconsider grading if you feel that you did not get fair treatment. You must contact me promptly to get a re-grade. I will never lower your grade, but I may re-grade the entire exam.
 - D. Please contact me in advance if you must arrange an alternate exam date or time.
- V. Other Information:**
- A. Due to the limited number of class sessions for this course, attendance at all class sessions is expected. Please let me know in advance if you must miss a class. If you miss more than one weekend, then you will need to drop the course.
 - B. Scholastic dishonesty will not be tolerated. Scholastic dishonesty includes, but is not limited to, copying other students' homework, copying other students' exams and obtaining copies of exams before they are given. All instances of scholastic dishonesty that come to light will be reported.
 - C. Course Evaluation. Please communicate your ideas for improving the class at any time. If there are issues, I need to know so that I can make adjustments. We will have the required evaluation during the last weekend.
 - D. The on-line information for this course is available on Blackboard. <http://courses.utexas.edu/>
 - E. My normal office hours are MWF 9:00 to 11:00 AM. You are welcome to come by during that time; however, I frequently have large numbers of undergraduate students seeking help with their homework assignments during that period. I hate for you to make a trip to campus to see me and then find yourself waiting in a queue and feeling rushed. It is better if we make an appointment to meet at a time when my office will be calm. The course TA is also available to help you. Very specific questions about the homework are often better addressed to the TA because he grades it.
- VI. Disabled students:** The University of Texas at Austin provides upon request appropriate academic adjustments for qualified students with disabilities. For more information, contact the Office of the Dean of Students at 471-6259, 471-4241 TDD or the College of Engineering Director of Students with Disabilities at 471-4321.

Syllabus: System Engineering: Project Management and Evaluation. EE382C – F04

Date	Lecture topic	Readings (read before lecture)	Assignments
8/20 - 21	Course overview, Introduction to projects and project management, Project organizations, Defining and structuring projects.	Shtub: Chapters 1 and 5 Jalotte: Chapters 1 – 4 Brooks: Chapters 1, 2, 4, 7 and 8	
9/17 - 18	Gantt chart planning, Project scheduling (CPM and PERT), Project budgeting and resource management; Risk management.	Shtub: Chapters 7, 8 and 9 Jalotte: Chapters 5 – 9 Brooks: Chapter 10 HBS: Project Management Manual	HW1 due 9/10 or in class
10/15- 16	Mid-term Exam (Friday). Leadership; Project monitoring and control, Earned value analysis, Managing change.	Shtub: Chapters 10 and 11 Jalotte: Chapters 10 and 11 Brooks: Chapters 11 and 14	HW2 due 10/8 or in class
11/12- 13	Economic analysis; Project screening and selection; Decision making with risk and uncertainty.	Shtub: Chapters 2, 3 and 12	HW3 due 11/5 or in class
12/2 - 3	Critical Chain Project Management; Project termination and closure. Review and discussion Final Exam (Friday).	Shtub: Chapter 14 Jalotte: Chapter 12 Brooks: Chapters 16 and 19	HW4 due 11/26 or in class