



ENGR 411.001 Engineering Management

COURSE SYLLABUS: Fall 2026

INSTRUCTOR INFORMATION

Instructor: Dr. Anika Jannat Rimu

Office Location: Charles Austin Engineering Technology Bldg. (Ag/IT), 220

Office Hours: MW 10:00-12:00, T 12:30-1:30

Office Phone: 903-886-5462

University Email Address: Anika.Rimu@etamu.edu

Preferred Communications: Email

Usual Response Time: 48 Hours (business hours)

COURSE INFORMATION

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 lecture slides and handouts as references, too.

Course Description

Techniques relating to managing engineering activities; project management with Pert/CPM; 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.

Student Learning Outcomes

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

1. Identify and use engineering management analytical tools,
2. Effectively use engineering management tools and techniques,
3. Understand and appraise the changing business climate and how the changes have economic impact on business
4. Understand the importance of quality, cost, and schedule

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5. Understand the need for effective decision-making skills and tools
6. Demonstrate an understanding of the role of Project Management tools (PERT/ CPM)
7. Demonstrate an understanding of Engineering Management Alternative Analysis and Evaluation.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

1. Effective use of scientific calculator for exams.
2. Ability to effectively use Microsoft Word, Excel, PowerPoint.

Instructional Methods

This course utilizes readings, lectures, discussions, and assignments to assist students in achieving the course learning outcomes.

Student Responsibilities or Tips for Success in the Course

1. Students are responsible to know the contents of the syllabus, including amendments that may be made during the semester.
2. Students are responsible for knowing all deadlines and meeting them throughout the semester.
3. Nothing contributes to success like good attendance and personal involvement in the course throughout the semester.
4. Whenever you have difficulty understanding concepts, techniques, or assignments, do not be shy about asking the instructor for help. (That's one of the instructor's key responsibilities.)
5. Maintain a professional attitude whenever interacting with the instructor, classmates, or visitors to the course.
6. Pay particular attention to any written work submitted on assignments or exams as spelling, punctuation, and grammar are always considered in assigning grades/

GRADING

Final grades in this course will be based on the following scale:

A = 90%-100%

B = 80%-89%

C = 70%-79%

D = 60%-69%

F = 59% or Below

Weights of the assessments in the calculation of the final letter grade.

Assignments	24%
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Midterm	25%
Group Project	25%
Final	26%
TOTAL	100%

* There will be 1% extra credit for completion of course evaluation.

Attendance at all guest lecture sessions is mandatory. Failure to attend any guest lecture without prior approval or a documented university-approved excuse will result in a 5% deduction from the final course grade. For example, if your final course grade is 95/100, it will be reduced to 90/100.

Assessments

The assessment criteria for the stated student learning outcomes will include homework assignments, a group term project, a midterm exam, and a final exam.

TECHNOLOGY REQUIREMENTS

LMS

All course sections offered by East Texas A&M University have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm

Zoom Video Conferencing Tool

https://inside.etamu.edu/campuslife/CampusServices/CITESupportCenter/Zoom_Account.aspx?source=universalmenu

ACCESS AND NAVIGATION

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or helpdesk@etamu.edu.

Note: Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a ETAMU campus open computer lab, etc.

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COMMUNICATION AND SUPPORT

If you have any questions or are having difficulties with the course material, please contact your Instructor.

Technical Support

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

Interaction with Instructor Statement

The instructor will response to your questions on D2L tools within 24 hours if possible. For urgent questions, and for questions that are not answered within 24 hours, please use e-mail correspondence.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

1. Late assignments will **NOT** be accepted.
2. You will be expected to do all the readings throughout the semester.
3. Each exam will be given in class. Exams are closed book and notes. Students will need a scientific calculator for exams. Cell phones are not acceptable as a calculator. Use of unauthorized aids on exams will result in a grade of zero.
4. There will be one design assignment and it will be a group project.
5. No make-up exams will be permitted unless official documentation for absences is provided (e.g., death in the immediate family, illness).

Syllabus Change Policy

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.

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University Specific Procedures

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#).

<http://www.etamu.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum: <https://www.britannica.com/topic/netiquette>

ETAMU Attendance

For more information about the attendance policy please visit the [Attendance Procedure 13.99.99.R0.01](#).

<http://www.etamu.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

Academic Integrity

Students at East Texas A&M University are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

[Undergraduate Student Academic Dishonesty Form](#)

<http://www.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/documents/13.99.99.R0.03UndergraduateStudentAcademicDishonestyForm.pdf>

[Graduate Student Academic Dishonesty Form](#)

<http://www.etamu.edu/academics/graduateschool/faculty/GraduateStudentAcademicDishonestyFormold.pdf>

<http://www.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

Students with Disabilities-- ADA Statement

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

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provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services

East Texas A&M University

Velma K. Waters Library Rm 162

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

Fax (903) 468-8148

Email: studentdisabilityservices@etamu.edu

Website: [Office of Student Disability Resources and Services](http://www.etamu.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/)

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

Nondiscrimination Notice

East Texas A&M University 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.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in East Texas A&M University buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and ETAMU Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#) document and/or consult your event organizer.

Web url:

<http://www.etamu.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all ETAMU campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

ETAMU Supports Students' Mental Health

The Counseling Center at ETAMU, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by

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calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.etamu.edu/counsel

AI Use in Courses

East Texas A&M University acknowledges that there are legitimate uses of Artificial Intelligence, ChatBots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course.

Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).

Individual instructors may disallow entirely the use of such software for individual assignments or for the entire course. Students should be aware of such requirements and follow their instructors' guidelines. If no instructions are provided the student should assume that the use of such software is disallowed.

In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used an AI, in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources.

13.99.99.R0.03 Undergraduate Academic Dishonesty

13.99.99.R0.10 Graduate Student Academic Dishonesty

Department or Accrediting Agency Required Content

This course addresses ABET Student Learning Outcome 3: An ability to communicate effectively with a range of audiences, and SLO 4: An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

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COURSE OUTLINE / CALENDAR

Week	Date	Topics	Assignment
1	8/20	Introduction to Engineering Management. Introduction to Project Management	Ch 1, pp. 1-17
2	8/25	Organization Strategy and Project Selection	Ch 2, pp. 28-54
	8/27	Organization: Structure and Culture	Ch 3, pp. 68-92 Assignment 1
3	9/1	Defining the Project	Ch 4, pp. 104-126
	9/3	Estimating Project Times and Costs	Ch 5, pp. 134-148
4	9/8	Developing a Project Schedule	Ch 5, pp. 149-158 Assignment 2
	9/10	Developing a Project Schedule II Managing Risks I	Ch 6 & 7
5	9/15	Managing Risks II and PERT	Ch 7 Assignment 3
	9/17	Scheduling Resources and Costs I	Ch 8
6	9/22	Scheduling Resources and Costs II	Ch 8 Assignment 4
	9/24	Reducing Project Duration	Ch 9
7	9/29	Being an Effective Project Manager	Ch 10 Assignment 5
	10/1	Managing Project Teams I	Ch 11
8	10/6	Exam 1 Review Group Project Begins	Assignment 6
	10/8	Fall Break, No class	
9	10/13	No Class; Potential Online Guest Lecture	
	10/15	Midterm Exam	Ch 1-7
10	10/20	Managing Project Teams II	Ch 11
	10/22	Outsourcing: Managing Interorganizational Relations	Ch 12 Assignment 7
11	10/27	Group Project Work (No class)	
	10/29	Interim Report 1 presentation	
12	11/3	Progress and Performance Measurement & Evaluation I	Assignment 8
	11/5	Progress and Performance Measurement & Evaluation II	Ch 13, pp. 487-503
13	11/10	Project Closure	Ch 14, pp. 532-552
	11/12	Agile Project Management	Ch 15, pp. 562-581
14	11/17	Group Project Work (No class)	
	11/19	Project Progress Presentation	
15	11/24	Group Project Work (No class)	
	11/26	Thanksgiving Break	
16	12/1	Group Project Presentations	Final Report Due
	12/3	Exam Prep (No class)	
17	12/5	Final Exam	

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