



CONE 322.01E CONSTRUCTION PLANNING AND SCHEDULING

COURSE SYLLABUS: SPRING 2026

INSTRUCTOR INFORMATION

Instructor: Mohamed Yamany, Assistant Professor

Office Location: AG/ET 118A

Office Hours: Tue, Thurs 9:30 am - 12:00 pm and 1:00 pm – 3:00 pm or by appointment.

Office Phone: 903.886.5474

Office Fax: 903.886.5960

University Email: Mohamed.Yamany@etamu.edu

Preferred Form of Communication: Office Hours or Email

Communication Response Time: 24-48 hours typically

Course Times: Tue, Thurs 08:00am – 09:15am

COURSE INFORMATION

Textbook:

- Construction Planning and Scheduling. Jimmie Hinze / 4th edition. Publisher: Pearson ISBN-978-0132473989.

The instructor will provide lecture slides/ handouts as references too.

Course Description

This course provides students with the principles and practical applications of construction scheduling and planning. It covers key topics such as scope planning, time scheduling, resource management, cash flow forecasting, repetitive scheduling techniques including Line of Balance, and schedule updating. Prerequisites: CONE 321- with a minimum grade of C.

The syllabus/schedule are subject to change.

Student Learning Outcomes

Upon completion of this course, students will be able to:

- Develop construction project schedules using Work Breakdown Structures, activity sequencing, and Critical Path Method (CPM) calculations.
- Analyze and optimize resource usage through resource allocation and resource leveling techniques.
- Prepare cash flow forecasts and evaluate financial implications of scheduling decisions, including cumulative cash-in/cash-out curves.
- Apply advanced scheduling methods, including Line of Balance (LOB), and select appropriate scheduling techniques for different project types.
- Update and control project schedules by interpreting progress data, identifying delays, and recommending corrective actions using professional scheduling software.

COURSE REQUIREMENTS

Minimal Technical Skills Needed

1. The learning management system, D2L learning management system
2. Microsoft Word, Excel, PowerPoint.
3. MS Project.

Instructional Methods

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

Student Responsibilities or Tips for Success in the Course

Students should attend the lectures and deliver the assignments and quizzes in a timely manner.

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

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

Grading Criteria		Score
1	Assignments & Quizzes	40%
2	Midterm Exam	20%
3	Final Exam	20%
4	Class Project	20%
Total		100%

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

YouSeeU Virtual Classroom Requirements:

<https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements>

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@tamuc.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, an 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 48 hours. For urgent questions, and for questions that are not answered within 48 hours, please prefer e-mail correspondence.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

1. One day late assignment is accepted with a 15% grade deduction; after this, no assignment will be accepted.
2. Use of unauthorized aids or generative models such as ChatGPT on assignments or quizzes will result in a grade of zero.
3. You will be expected to do all the readings throughout the semester.
4. Each exam will be given in class. Exams are closed book and notes (necessary formulas will be provided on a separate page). Students will need a scientific calculator for exams. Cell phones are not acceptable as a calculator. Use of unauthorized aids or AI generative models such as ChatGPT on exams will result in a grade of zero.
5. There will be a class project.
6. 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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7. No make-up exams will be permitted unless official documentation for absences is provided (e.g., death in the family, illness).

“Texas A&M University-Commerce 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”

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.

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.tamuc.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](#) webpage and [Procedure 13.99.99.R0.01](#).

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

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

[Graduate Student Academic Dishonesty Form](#)

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

<http://www.tamuc.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 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@tamuc.edu

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.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

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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 Texas A&M University-Commerce 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 A&M-Commerce 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.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

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

COURSE OUTLINE / CALENDAR

Week	Date	Topics	Assignment/Quiz
1	1/12	Introduction to Construction Planning & Scheduling Project Scope Planning	Quiz 1
2	1/19	Project Time Scheduling	Quiz 2
3	1/26	Activity on Arrow	Assignment 1
4	2/2	Activity on Node	Assignment 2
5	2/9	Critical Path Method (CPM)	Assignment 3 & Quiz 3
6	2/16	Solving Problems on AOA, AON & CPM	
7	2/23	Project Presentation I: Project Planning & Schedule Preparation Intro to MS Project (baseline, WBS, logic)	Quiz 4
8	3/2	Midterm Exam	
9	3/9	Spring Break	
10	3/16	Resource Management (Allocation & Leveling)	Assignment 4
11	3/23	Cash Flow Forecasting	Assignment 5
12	3/30	Line of Balance (LOB)	Assignment 6
13	4/6	Schedule Updating	Assignment 7
14	4/13	Advanced MS Project (resources, updating, tracking)	Quiz 5
15	4/20	Project Presentation II: Project Scheduling, Resource Management, and Schedule Control	
16	4/27	Course Review	
17	5/4	Final Exam	

Refer to the University Master Calendar for additional important dates.

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