



# TMGT 439.01W CONSTRUCTION MANAGEMENT

COURSE SYLLABUS: FALL 2023

## INSTRUCTOR INFORMATION

**Instructor:** Taewoo Ko Ph.D., Assistant Professor

**Office Location:** Online

**Office Hours:** T,R 01:30pm- 03:30pm.; F 10:30am-11:30am or By appointment.

**Office Phone:** 903-468-8131

**Office Fax:** 9038865960

**University Email Address:** Taewoo.Ko@tamuc.edu

**Preferred Form of Communication:** Office Hours or Email

**Communication Response Time:** 48 hours

## COURSE INFORMATION

Textbook:

Textbook Required: Construction Management, Daniel Halpin, Bolivar Senior, and Gunnar Lucko, 5th Edition. Publisher: Wiley, ISBN- 978-1119256809. Instructor will provide lecture slides/ handouts as references too.

### Course Description

Study of construction operations projects management and project planning. Includes scheduling, rough diagram preparation, calculating costs, presentations, and controlling.

Prerequisites: TMGT 352 Min grade C

(Basic elements of management for construction projects; roles of all participants in the process owners, designers, contractors and suppliers; emphasis on contractual aspects of the process, estimating, planning and controls)

### Student Learning Outcomes

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

1. Describe the relationship between civil engineering design, technical requirements, and construction

*The syllabus/schedule are subject to change.*

2. Explain the principals and practices of project management
3. Identify project stakeholders, roles, and responsibilities
4. Identify and understand the steps of the project development process
5. Evaluate the financial feasibility of a project
6. Detail the fundamentals of sequencing construction activities and tasks
7. Differentiate the process of building a project estimation at different levels of details
8. Develop a simple construction schedule using the critical path method
9. Explain the basics of project monitoring, controls, and safety requirements

## **COURSE REQUIREMENTS**

### **Minimal Technical Skills Needed**

Students must be able to access the Internet, use the D2L learning management system, and use Microsoft Office tools (Word, Excel, PowerPoint).

### **Instructional Methods**

This course consists of a series of assignments, quizzes, and exams/projects, to assist you in achieving the outcomes/objectives for the course. Each week you will work on various combinations of these. Since this is a 100% online course, all course work will be posted on the LMS content page. All your work must be submitted online as well.

### **Student Responsibilities or Tips for Success in the Course**

This is an online course it is the student's responsibility to log into the LMS at the start of each week and review what work is required and understand the due dates.

## **GRADING**

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

<b>Assessment Type</b>	<b>Pts.</b>
Assignments	240
Quizzes	120
Mid-term Exam	50
Final Exam	100
Semester Project	140
<b>Total</b>	<b>650</b>

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A	650-585
B	584-520
C	519-455
D	454-390
F	389-0

### Assessments

Assignment 1	20 pts	Quiz 1	10 pts	Midterm Exam	50 pts
Assignment 2	20 pts	Quiz 2	10 pts	Final Exam	100 pts
Assignment 3	20 pts	Quiz 3	10 pts	Semester Project	140 pts
Assignment 4	20 pts	Quiz 4	10 pts		
Assignment 5	20 pts	Quiz 5	10 pts		
Assignment 6	20 pts	Quiz 6	10 pts		
Assignment 7	20 pts	Quiz 7	10 pts		
Assignment 8	20 pts	Quiz 8	10 pts		
Assignment 9	20 pts	Quiz 9	10 pts		
Assignment 10	20 pts	Quiz 10	10 pts		
Assignment 11	20 pts	Quiz 11	10 pts		
Assignment 12	20 pts	Quiz 12	10 pts		

Assessment	Student Learning Outcomes (SLO)
Assignment 1	1
Assignment 2	4
Assignment 3	4,5
Assignment 4	4,5
Assignment 5	3
Assignment 6	5
Assignment 7	7
Assignment 8	2,6,8
Assignment 9	7
Assignment 10	7
Assignment 11	5
Assignment 12	9

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# TECHNOLOGY REQUIREMENTS

## LMS

All course sections offered by Texas A&M University-Commerce 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](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](mailto: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, a TAMUC campus open computer lab, etc.

## 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>

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## **Interaction with Instructor Statement**

The instructor will be available office hours and through the university email address woowoo1127@gmail.com "Please note student's emails will be answered within 48 hours" Any email sent from the instructor will be sent to the student's university email address. The goal is to have assignments graded by the following week.

## **COURSE AND UNIVERSITY PROCEDURES/POLICIES**

### **Course Specific Procedures/Policies**

1. Attendance will be monitored in the LMS and by the completion of course assignments.
2. Late work WILL NOT be accepted. There is NO Extra Credit.
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. 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.

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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.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>

### **TAMUC Attendance**

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

<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 Texas A&M University-Commerce 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

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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

Velma K. Waters Library Rm 162

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

Fax (903) 468-8148

Email: [studentdisabilityservices@tamuc.edu](mailto:studentdisabilityservices@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.

### **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**

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<b>Week</b>	<b>Topic</b>
1	Obtain Textbook
2	Construction Management History and Concepts
3	Bid Package
4	Issues During Construction
5	Contracts
6	Legal Structure
7	Impact of Taxes
<b>8</b>	<b>Mid-term Exam</b>
9	Project Planning/Scheduling
10	Mathematics of Money
11	Project Funding
12	Construction Labor
13	Estimating Process
14	Work on Semester Project
15	Work on Semester Project
<b>16</b>	<b>Semester Project/ Final Exam</b>

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