

The University of Texas at Tyler
Department of Construction Management

CMGT: 4335 Construction Law/Public Policy

Course Syllabus (Fall/Spring 2021)

Date Class Begins: 9/23/2021

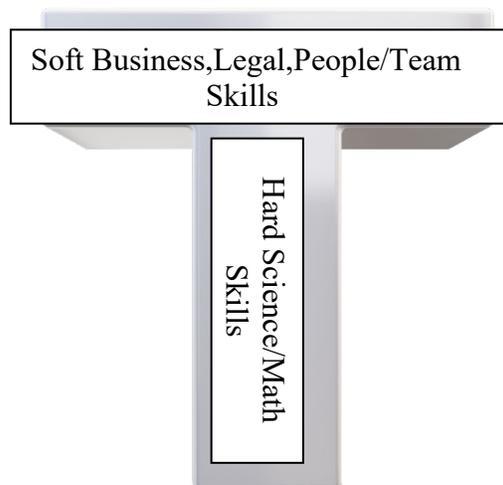
Time & Venue	9:30 to 11AM Every Tuesday and Thur Room RBS 1031 NOTE: Construction is a service industry to an owner of the project. The owner is our customer and excellent service requires timely service and professional performance of duties. Timeliness is of supreme importance to a project. We will practice this skill and trait in 3305. The professional standard is to NEVER be late for any class. If you are going to be late OR if you will need to miss a lecture you MUST notify me ahead of time. Any tardy or late attendance of submission of graded material will be graded as a ZERO if the tardy or late submission is not approved 24 hours ahead of time by me.
Instructor	Joe Boylan Office: RBS 1037 Email: jboylan@uttyler.edu Phone: (903) 565-5884 Office hours: 0800:00 a.m. – 1700 p.m. I am always available for help in my office anytime I am not teaching. (See office hours outside of RBS 1037) To ensure you get your necessary help please email me ahead of time and we can get your visit locked into the schedule.
Teaching Assistant	N/A
Course Website	See UT Tyler’s 4335 Canvas Website

Course Objective

Welcome to CMGT 4335 (PM Capstone Course). The educational model for a professional construction engineering/technologist project leader has the shape of a T as shown below. The bottom vertical leg of the T is your technical and engineering competence, knowledge, and practice that you have gained by your classroom and practice work in your “hard engineering” skills from courses like 3310, 3315, 4315, etc. The top of the T shaped model in the horizontal box is made up of “soft skills” critically needed to be a professional engineering/technology leader. The topics here are leadership, business acumen, people management, contracts and contract law, professional practice skills, law, regulations, character, ethics, lifelong learning, continued skills development, professionalism

All of these deal with your **professional** identity, ethics, morals, leadership, and business and management skills.

This course will focus on the top of the T – the “soft” skills and critical lessons in becoming a **practicing professional leader**.



<p>Course Outcomes</p>	<p>In this course, you will learn to:</p> <ol style="list-style-type: none"> 1. Understand and define specialized knowledge, practice, competence, and professional identify and community training required to be a professional construction leader. 2. Understand the concepts in the “leadership “of engineering, and various “build it” processes. NOTE: - integrated design never stops till it is commissioned 3. Define and understand what a profession and what a professional is. 4. Understand what a leader is and what leadership does. 5. Understand what a manager is and what management does. 6. Understand what a team player/follower is and how they best support a team. 7. Know what an “engineer’ is and what engineering does. 8. Understand what is required <i>in practice</i> and <i>character</i> of an engineer and a leader 9. Look at the TRUST between a professional and society and why this is so critical to sustain. 10. Look at contracts, Kr Law, obligations under contractual arrangements. 11. Look at the ethics expected of you as an engineering/technology leader and professional. 12. Look at and understand Public Policy and the engineering/technology professional. 13. Look at engineering ethics provides in-depth coverage of major ethical theories, professional codes of ethics, and case studies. <ul style="list-style-type: none"> • Be able to identify, analyze, and reflect on ethical problems in engineering. • Develop a basic understanding of ethical theories and how they inform common engineering practices. • Be familiar with some of the classic case studies in engineering ethics and some of the typical ethical and professional issues which arise in engineering. • Know the NSPE code of ethics and the code of at least one other major professional society or organization in engineering.
<p>Note to Student About a Syllabus</p>	<p><i>This syllabus is a statement of intent</i> about how the course will be taught this semester. It outlines what we will cover, what you will need to do in the course, and it explains what and when you must do it to successfully complete the course and get a great final grade. This syllabus is intended to protect you from arbitrary or untimely changes in course requirements and due dates. But <i>I reserve the right to make changes as necessary to the syllabus with announcement of changes.</i> As we learned during 2020, there are many circumstances outside of our direct course control that may require changes to this syllabus in content and schedule. These will always</p>

	be announced in advance and the syllabus will be updated on Canvas so all can be aware of the required changes.
Prerequisite/Co-Requisite	Business Law is a mandatory prerequisite for this course and the student must receive instructor consent and approval from the CM Department Chair.
Required Texts	<ol style="list-style-type: none"> 1. <i>Common Sense Construction Law</i> 5th Ed by Smith and Currey from Wiley ISBN 978-1-118-85810-3 2. <i>Ethics for Engineers</i> by Martin Peterson from Oxford Press ISBN 9780190609207 <p>NOTE: <i>Class slides in lecture are NOT complete information. You MUST read the chapters and all quizzes and exams will include information in the chapter in the text and may NOT have been included in class lecture slides!</i></p>
Grading	<p>Contributions towards final grade (out of 100%)</p> <p>10% Attending Weekly Lectures and Discussions</p> <ul style="list-style-type: none"> • Attendance and preparedness for weekly lectures in 4335 are expected in order to receive full credit for this portion of your final grade. • NOTE: Lecture attendance will/does impact your grade! <p>30% Public Policy Paper & Public Policy Team Presentation</p> <p>40% Contracting and project exercise (4 person team project)</p> <p>Team can pick from 1 of 4 project types:</p> <ul style="list-style-type: none"> - Cardboard Canoe (8 teams) - Actual Legacy Rehab Lab project - Legacy Dean Parking Garage Design and SOW - Legacy Shade Structure Design and SOW <p>20% Unannounced in class tests/quizzes or adhoc class presentations given by one or more of you as selected by me on chapter material due for that date on syllabus (approx. 10)</p> <p>NOTE: Exams, quizzes, and any form of assessment all carry the same grade weight. (ie. quizzes are not less important than exams for your final grade!)</p> <p>Letter grades will be assigned based on the final course grade:</p> <ul style="list-style-type: none"> A 90 and above B 80 to 89.99 C 70 to 79.99 D 69 to 65 F 65 and below

	<p><i>A grade of 69 (D) or below will be a failure to complete the course for graduation in the department.</i></p> <p>No letter grade will be released until it is official on the University grade system.</p>
General Syllabus Student Information and Rights	General Syllabus Student Information and Rights .docx

4335 Course Schedule (Subject to change as needed throughout the semester)				
Date	Lesson	Topic for Class	Reading	Assignment
8/24/2021	1	Syllabus and a professional CM education		CANVAS Material
8/26/2021	2	Public Policy	Chapter 1	CANVAS Material
8/31/2021	3	Public Policy	Chapter 2	CANVAS Material
9/2/2021	4	Public Policy	Chapter 3	CANVAS Material
9/7/2021	5	PP Project Prep		CANVAS Material
9/9/2021	6	PP Project Briefing		For grade
9/14/2021	7	Class PP Presentation		For grade
9/16/2021	8	The “Built it processes” you must use and master	Canvas	Big Picture Slides
9/21/2021	9	The “Built it processes” you must use and master	“	CM Fundamentals Part 1
9/23/2021	10	The “Built it processes” you must use and master	“	CM Fundamentals Part 2
9/28/2021	11	The “Built it processes” you must use and master	”	CM Fundamentals Part 3
9/30/2021	12	The “Built it processes” you must use and master	“	CM Fundamentals Part 4
10/5/2021	13	What is a profession? What is a professional?	Colby Sullivan & Fledderman 1 and 2	CANVAS Material
10/7/2021	14	Professional Duty of Care	Paper and Bolam “Test”	CANVAS Material
10/12/2021	15	Leadership, Management and Followship	Northrup Chp 1, 12	CANVAS Material
10/14/2021	16	Engineering Ethics 1	Ethics for Engineers Chp 1	Peterson

10/19/2021	17	Engineering Ethics 2	Ethics for Engineers Chp 2	Peterson and watch https://www.youtube.com/watch?v=-O_DMyHdq_M Read CMMA Code of Ethics at https://www.cmaanet.org/about-us/code-ethics The National Society of Professional Engineers: http://www.nspe.org/ IEEE: http://www.IEEE.org/ ACM: http://www.IEEE.org/ A video about the Challenger disaster: https://www.youtube.com/watch?v=-O_DMyHdq_M
10/21/2021	18	Engineering Ethics Part 3	Ethics for Engineers Chp 7,8	Peterson and watch https://www.youtube.com/watch?v=YQ04V8IjwAQ and https://www.youtube.com/watch?v=e8_2AI99JUA
10/26/2021	19	Engineering Ethics Part 4	“ Chp 10,12	Peterson and READ http://science.sciencemag.org/content/236/4799/280 and watch https://www.youtube.com/watch?v=9813Us8IU-I
10/28/2021	20	KR Law & Construction	Smith/Currie Chp 1	
11/2/2021	21	KR Interpretation	Chp 2	
11/4/2021	22	KR Methods	Chp 3	
11/9/2021	23	P3 projects	Chp 4	
11/11/2021	24	Auth and Respon. Of Design Professional	Chp 9	
11/16/2021	25	Competing for Contracts and the UCC	Chp 7,8	
11/18/2021	26	Kr changes	Chp 11	
11/22-11/26		FALL BREAK		
11/30/2021	27	Kr inspections, acceptance, warranties and commissioning	Chp 14	
12/2/2021	28	Course Wrap Up and Survey		