

**The University of Texas at Tyler**  
**College of Engineering**  
**ENGR 4109: Senior Seminar**

**FALL 2020 SYLLABUS**

**Description:**

Course focused on the preparation for Professional Practice through the study of professional ethics, organizations, licensure, and necessity for life-long learning specifically with preparation for the first step toward Professional licensure the Fundamental of Engineering Examination. Each student will develop the necessary focus on their professional development following graduation. One hour of lecture per week.

**Prerequisite:**

Senior Design 1 or concurrent enrollment.

**Meeting Time and Location:**

Tuesday Mornings from 8:00 AM to 9:15 AM  
RBS 1031 to meet via ZOOM (synchronous meeting) due to COVID 19 concerns.

**Textbook:**

There is no assigned textbook for this course.

**Instructor:**

Drs. J. Torey Nalbone and Michael Gangone  
Email: [tnalbone@uttyler.edu](mailto:tnalbone@uttyler.edu) and [mgangone@uttyler.edu](mailto:mgangone@uttyler.edu)  
Office Hours: Fridays 0800 to 1000, by appointment through ZOOM video link

**Student Learning Outcomes:**

- a. Define the process for licensure as a Professional Engineer.
- b. Take advantage of review and refresher for FE content.
- c. State advantages of involvement in professional and civic societies.
- d. Access and explain Engineering Codes of Ethics and case studies describing ethical problems.
- e. Recognize an ethical problem and use critical thinking skills to construct and defend a solution to an ethical problem.
- f. Write a professional development plan.

**Class Schedule\*:**

<b>Date</b>	<b>Topic (Sync)</b>	<b>Instructor (Sync)</b>	<b>Topic (A-Sync)</b>	<b>Instructor (A-Sync)</b>
8/24	No Class			
8/31	FE Review: Ethics	Nalbone		
9/7	Labor Day		FE Review: CE Materials	Gangone
9/14	FE Review: Statics	Vechione	FE Review: Fluid Mechanics	Gangone
9/21	FE Review: Mechanics of Materials	McGinnis (or Gangone)		
9/28	FE Review: Mathematics	Souliman (or Math Prof.)		
10/5	FE Review: Surveying	Vechione	FE Review: Engineering Econ	Saygili
10/12	FE Review: Hydro and Environmental Engineering	Nalbone	FE Review: Soil Mechanics	Saygili
10/19	FE Review: Structural Engineering and Design	McGinnis		
10/26	FE Review: Transportation Engineering	Souliman		
11/2	FE Review: CE CMGT	Saygili		
11/9	Professional Practice Topics			
11/16	Professional Practice Topics			
11/23	Thanksgiving Week			
11/30	Professional Practice Topics			
12/7	Dead Day			
12/8	Final Exam			

\* Subject to change. Any changes will be shown on Blackboard, and mentioned in class.

\*\* May replace "Key Points" summary with quiz on Ethics.

## **Assignments and Grading Criteria:**

### Typical Class:

- Introduction to Topic 2-5 minutes
- Review of Materials 30-45 Minutes
- Q&A 5 minutes
- Announcements of upcoming reviews
- Adjourned

### *Lectures (25 points total):*

One quarter of your grade will be based on the “key points” you turn in at the end of class – if you miss class you may make up by attending a local public meeting, city council meeting, school board meeting or other approved public forum (debate, etc) and turn in the agenda and a short write-up on your experience. Quiz may be given in lieu of turning in “key points” at the discretion of the instructor.

### *Resume’ (25 points total):*

One quarter of your grade will be based on completion of a resume. Prepare your resume’ as discussed in class and post to Patriot Jobs. Revise as deemed necessary after review. You are encouraged to visit Career Services for assistance with developing your best resume’. If you post your resume on Patriot jobs you will get the full 25 points. Turning in a hard copy to me will get you 20. No resume turned in, no points.

### *Job Fair (25 points total):*

Full credit will be earned by collecting the business cards from a minimum of five employers attending the job fair. 1 card = 5 points, 5 max. Turn in one page summary following the job fair with persons name, title, company name. Do not turn in the actual business cards, maintain them until the end of the semester however, since your list will be subject to inspection.

### *Practice Interview (25 points total):*

Register for and participate in a practice interview on the following dates: (November 7-18, 2016). Actual interviews are also encouraged. Credit for these points will be given coordinated through Career Services.

## **Grading Scale:**

- A: Take FE Examination and remittal of score to instructor for record
- B:
- C: Register for FE Examination
- D:
- F: Do not register for FE exam during this semester

## **Attendance and Class Participation:**

Class attendance and participation are important and students are responsible for all materials and announcements discussed in class and activities performed during class time. Students are expected to

engage in class discussions and dialog with guest lecturers, faculty, staff and other students in a positive and respectful manner.

Participation in discussions and interaction with reviewers are an essential component of this course. Please advise in advance the reasons for absences.

A tentative course schedule is attached to this syllabus. Students learning are provided above.

### ***UNIVERSITY POLICIES AND ADDITIONAL INFORMATION THAT MUST APPEAR IN EACH COURSE SYLLABUS***

#### **UT Tyler Honor Code**

Every member of the UT Tyler community joins together to embrace: Honor and integrity that will not allow me to lie, cheat, or steal, nor to accept the actions of those who do.

#### **Students Rights and Responsibilities**

To know and understand the policies that affect your rights and responsibilities as a student at UT Tyler, please follow this link: <http://www.uttyler.edu/wellness/rightsresponsibilities.php>

#### **Campus Carry**

We respect the right and privacy of students 21 and over who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at <http://www.uttyler.edu/about/campus-carry/index.php>

#### **UT Tyler a Tobacco-Free University**

All forms of tobacco will not be permitted on the UT Tyler main campus, branch campuses, and any property owned by UT Tyler. This applies to all members of the University community, including students, faculty, staff, University affiliates, contractors, and visitors. Forms of tobacco not permitted include cigarettes, cigars, pipes, water pipes (hookah), bidis, kreteks, electronic cigarettes, smokeless tobacco, snuff, chewing tobacco, and all other tobacco products. There are several cessation programs available to students looking to quit smoking, including counseling, quit-lines, and group support. For more information on cessation programs please visit [www.uttyler.edu/tobacco-free](http://www.uttyler.edu/tobacco-free).

#### **Grade Replacement/Forgiveness and Census Date Policies**

Students repeating a course for grade forgiveness (grade replacement) must file a Grade Replacement Contract with the Enrollment Services Center (ADM 230) on or before the Census Date of the semester in which the course will be repeated. (For Fall, the Census Date is Sept. 12.) Grade Replacement Contracts are available in the Enrollment Services Center or at <http://www.uttyler.edu/registrar>. Each semester's Census Date can be found on the Contract itself, on the Academic Calendar, or in the information pamphlets published each semester by the Office of the Registrar. Failure to file a Grade Replacement Contract will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates are eligible to exercise grade replacement for only three course repeats during their career at UT Tyler; graduates are eligible for two grade replacements. Full policy details are printed on each Grade Replacement Contract.

The Census Date (Sept. 12th) is the deadline for many forms and enrollment actions of which students

need to be aware. These include:

- Submitting Grade Replacement Contracts, Transient Forms, requests to withhold directory information, approvals for taking courses as Audit, Pass/Fail or Credit/No Credit.
- Receiving 100% refunds for partial withdrawals. (There is no refund for these after the Census Date)
- Schedule adjustments (section changes, adding a new class, dropping without a “W” grade)
- Being reinstated or re-enrolled in classes after being dropped for non-payment
- Completing the process for tuition exemptions or waivers through

### **Financial Aid State-Mandated Course Drop Policy**

Texas law prohibits a student who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at another 2-year or 4-year Texas public college or university. For purposes of this rule, a dropped course is any course that is dropped after the census date (See Academic Calendar for the specific date).

Exceptions to the 6-drop rule may be found in the catalog. Petitions for exemptions must be submitted to the Enrollment Services Center and must be accompanied by documentation of the extenuating circumstance. Please contact the Enrollment Services Center if you have any questions.

### **Student Accessibility and Resources**

In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA) the University offers accommodations to students with learning, physical and/or psychiatric disabilities. If you have a disability, including non-visible disabilities such as chronic diseases, learning disabilities, head injury, PTSD or ADHD, or you have a history of modifications or accommodations in a previous educational environment you are encouraged to contact the [Student Accessibility and Resources](#) (SAR) office and schedule an interview with the Accessibility Case Manager/ADA Coordinator, Cynthia Lowery Staples. If you are unsure if the above criteria applies to you, but have questions or concerns please contact the SAR office. For more information or to set up an appointment please visit the SAR office located in the University Center, Room 3150 or call 903.566.7079. You may also send an email to [cstaples@uttyler.edu](mailto:cstaples@uttyler.edu)

### **Student Absence due to Religious Observance**

Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second class meeting of the semester.

### **Student Absence for University-Sponsored Events and Activities**

If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.

### **Social Security and FERPA Statement**

It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically.

## **Emergency Exits and Evacuation**

Everyone is required to exit the building when a fire alarm goes off. Follow your instructor's directions regarding the appropriate exit. If you require assistance during an evacuation, inform your instructor in the first week of class. Do not re-enter the building unless given permission by University Police, Fire department, or Fire Prevention Services.

## **Student Standards of Academic Conduct**

Disciplinary proceedings may be initiated against any student who engages in scholastic dishonesty, including, but not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.

- i. "Cheating" includes, but is not limited to:
  - copying from another student's test paper;
  - using, during a test, materials not authorized by the person giving the test;
  - failure to comply with instructions given by the person administering the test;
  - possession during a test of materials which are not authorized by the person giving the test, such as class notes or specifically designed "crib notes". The presence of textbooks constitutes a violation if they have been specifically prohibited by the person administering the test;
  - using, buying, stealing, transporting, or soliciting in whole or part the contents of an un-administered test, test key, homework solution, or computer program;
  - collaborating with or seeking aid from another student during a test or other assignment without authority;
  - discussing the contents of an examination with another student who will take the examination;
  - divulging the contents of an examination, for the purpose of preserving questions for use by another, when the instructor has designated that the examination is not to be removed from the examination room or not to be returned or to be kept by the student;
  - substituting for another person, or permitting another person to substitute for oneself to take a course, a test, or any course-related assignment;
  - paying or offering money or other valuable thing to, or coercing another person to obtain an un-administered test, test key, homework solution, or computer program or information about an un-administered test, test key, home solution or computer program;
  - falsifying research data, laboratory reports, and/or other academic work offered for credit;
  - taking, keeping, misplacing, or damaging the property of The University of Texas at Tyler, or of another, if the student knows or reasonably should know that an unfair academic advantage would be gained by such conduct; and
  - misrepresenting facts, including providing false grades or resumes, for the purpose of obtaining an academic or financial benefit or injuring another student academically or financially.
- ii. "Plagiarism" includes, but is not limited to, the appropriation, buying, receiving as a gift, or obtaining by any means another's work and the submission of it as one's own academic work offered for credit.
- iii. "Collusion" includes, but is not limited to, the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any section of the rules on scholastic dishonesty.

- iv. All written work that is submitted will be subject to review by SafeAssign™, available on Blackboard. UT Tyler Resources for Students
- [UT Tyler Writing Center](tel:903.565.5995) (903.565.5995), [writingcenter@uttyler.edu](mailto:writingcenter@uttyler.edu)
  - [UT Tyler Tutoring Center](tel:903.565.5964) (903.565.5964), [tutoring@uttyler.edu](mailto:tutoring@uttyler.edu)
  - The Mathematics Learning Center, RBN 4021, this is the open access computer lab for math students, with tutors on duty to assist students who are enrolled in early-career courses.
  - [UT Tyler Counseling Center](tel:903.566.7254) (903.566.7254)