

## **ENGR 1101: Entrance to Engineering for Transfer Students Fall 2018**

**Instructor(s):** Bonnie Boardman

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**Office Hours:** Monday-Thursday 9:30-10:30am

**Section Information:** ENGR 1101-001

**Time and Place of Class Meetings:** Tuesday 8:00-8:50; 198 SEIR

**Description of Course Content:** Entrance to Engineering for Transfer Students welcomes transfer students to the College of Engineering. Topics include engineering student life, fields of study, ethics, design, and preparing for a successful career.

### **Student Learning Outcomes:**

- Work in multi-disciplinary teams
- Develop an engineering entrepreneurship mindset
- Explain the basis for and importance of engineering ethics
- Describe the different engineering disciplines
- Recognize and utilize the various academic and personal student resources available at UTA

### **Required Textbooks and Other Course Materials:**

Echo360 Active Learning System:

During classroom sessions, Echo360's engagement tool will be used for interactive questions and answers. You can participate in these activities using your laptop, tablet, or other mobile devices.

You will register for access to the Echo360 system by clicking on the "Echo360 Active Learning Platform" link on the left-side menu of the course's Blackboard section. You will be prompted to register if you have not used the system before. Once you have logged into the course's Echo360 section via Blackboard the first time, you will then have able to directly log into the Echo360 system at echo360.org, and has access to the course's content via the mobile application.

If you are going to use your laptop, there is no special software to download. You will just access the Echo360 system either through the Blackboard link or directly at echo360.org.

If you want to use a mobile device to participate, you will need to download the free "Echo360" app available for both Android and Apple devices. When you open the app, it will ask you to login with your UTA email address and the password you setup when you registered (not your NetID password).

The Echo360 platform also allows you to take notes online. Those notes can be organized with the slides for the class session. Those notes can be downloaded to create study materials.

Echo360 provides a lot of content to help you fully utilize the system. Their support materials can be accessed at <https://goo.gl/XKZ8D6>. You can also contact Don Lane, the campus' Echo360 administrator, at [lane@uta.edu](mailto:lane@uta.edu) if you have questions or problems.

**Descriptions of major assignments and examinations:** You will be completing a group project that will be assigned in class. Due dates for project pieces can be found in the course schedule at the end of the syllabus. You must work with the group and on the project that you are assigned.

**Attendance:** At The University of Texas at Arlington, taking attendance is not required but attendance is a critical indicator in student success. Each faculty member is free to develop his or her own methods of evaluating students' academic performance, which includes establishing course-specific policies on attendance. UT Arlington instructors will report when students begin attendance in a course as part of the final grading process. Specifically, when assigning a student a grade of F, faculty report the last date a student attended their class based on evidence such as a test, participation in a class project or presentation, or an engagement online via Blackboard. This date is reported to the Department of Education for federal financial aid recipients.

For this class, you are required to attend all class meetings. Class attendance is worth 5% of your grade for each class. Entering late or leaving early (Up to 5 minutes) three times equals one full absence. Arriving late or leaving early by anything greater than 10 minutes will result in a full absence.

Reasons for excused absences include medical emergencies or illness. In such situations, students are expected to contact the instructor in advance or as soon as possible after the absence. Proof of the illness or emergency will be required along with evidence that the event correlates with the time of the missed class. Examples of documentation would include items such as a doctor's note, picture of the flat tire, etc.

#### **Grading:**

Class participation will be 60% of your final grade. Class participation will be collected each day. See the attendance section of the syllabus for more information.

A class project will be 30% of your final grade. You will be assigned a class project to work on as part of a team. There will be three individual project reports worth 5% each. The final project submission will be worth 15% of your final grade.

Event attendance will be worth 10% of your final grade. You will need to go to two outside of class approved events over the course of the semester. Attendance at those events must be documented with two pictures: a selfie of you at the event and a picture of the speaker or activity during the event. A short reflection of what you learned at the event is also required. These will be turned in on Blackboard. Each of the two events is worth 5% of your final grade. Event submissions will NOT be accepted after 11/18/18, so don't procrastinate!

**Expectations for Out-of-Class Study:** Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional 3 hours per week of their own time in course-related activities, including reading required materials, completing assignments, preparing for exams, etc.

**Drop Policy:** Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is

the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://www.uta.edu/aao/fao/>).

**Disability Accommodations:** UT Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including *The Americans with Disabilities Act (ADA)*, *The Americans with Disabilities Amendments Act (ADAAA)*, and *Section 504 of the Rehabilitation Act*. All instructors at UT Arlington are required by law to provide “reasonable accommodations” to students with disabilities, so as not to discriminate on the basis of disability. Students are responsible for providing the instructor with official notification in the form of **a letter certified** by the Office for Students with Disabilities (OSD). Only those students who have officially documented a need for an accommodation will have their request honored. Students experiencing a range of conditions (Physical, Learning, Chronic Health, Mental Health, and Sensory) that may cause diminished academic performance or other barriers to learning may seek services and/or accommodations by contacting: **The Office for Students with Disabilities, (OSD)** <http://www.uta.edu/disability/> or calling 817-272-3364. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability).

**Counseling and Psychological Services (CAPS)** [www.uta.edu/caps/](http://www.uta.edu/caps/) or calling 817-272-3671 is also available to all students to help increase their understanding of personal issues, address mental and behavioral health problems and make positive changes in their lives.

**Non-Discrimination Policy:** The University of Texas at Arlington does not discriminate on the basis of race, color, national origin, religion, age, gender, sexual orientation, disabilities, genetic information, and/or veteran status in its educational programs or activities it operates. For more information, visit [uta.edu/eos](http://uta.edu/eos).

**Title IX Policy:** The University of Texas at Arlington (“University”) is committed to maintaining a learning and working environment that is free from discrimination based on sex in accordance with Title IX of the Higher Education Amendments of 1972 (Title IX), which prohibits discrimination on the basis of sex in educational programs or activities; Title VII of the Civil Rights Act of 1964 (Title VII), which prohibits sex discrimination in employment; and the Campus Sexual Violence Elimination Act (SaVE Act). Sexual misconduct is a form of sex discrimination and will not be tolerated. *For information regarding Title IX, visit [www.uta.edu/titleIX](http://www.uta.edu/titleIX) or contact Ms. Michelle Willbanks, Title IX Coordinator at (817) 272-4585 or [titleix@uta.edu](mailto:titleix@uta.edu)*

**Academic Integrity:** Students enrolled all UT Arlington courses are expected to adhere to the UT Arlington Honor Code:

*I pledge, on my honor, to uphold UT Arlington’s tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.*

*I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.*

UT Arlington faculty members may employ the Honor Code in their courses by having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents’ Rule* 50101, §2.2, suspected violations of university’s standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student’s suspension or expulsion from the University. Additional information

is available at <https://www.uta.edu/conduct/>. Faculty are encouraged to discuss plagiarism and share the following library tutorials <http://libguides.uta.edu/copyright/plagiarism> and <http://library.uta.edu/plagiarism/>

**Electronic Communication:** UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

**Campus Carry:** Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes as prohibited. Under the new law, openly carrying handguns is not allowed on college campuses. For more information, visit <http://www.uta.edu/news/info/campus-carry/>

**Student Feedback Survey:** At the end of each term, students enrolled in face-to-face and online classes categorized as “lecture,” “seminar,” or “laboratory” are directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student’s feedback via the SFS database is aggregated with that of other students enrolled in the course. Students’ anonymity will be protected to the extent that the law allows. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law and aggregate results are posted online. Data from SFS is also used for faculty and program evaluations. For more information, visit <http://www.uta.edu/sfs>.

**Final Review Week:** for semester-long courses, a period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

**Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist individuals with disabilities.

**Student Support Services:** UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include [tutoring](#), [major-based learning centers](#), developmental education, [advising and mentoring](#), personal counseling, and [federally funded programs](#). For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to [resources@uta.edu](mailto:resources@uta.edu), or view the information at <http://www.uta.edu/studentsuccess/success-programs/programs/resource-hotline.php>

**The IDEAS Center** (2<sup>nd</sup> Floor of Central Library) offers **FREE** tutoring to all students with a focus on transfer students, sophomores, veterans and others undergoing a transition to UT Arlington. Students can drop in, or check the schedule of available peer tutors at [www.uta.edu/IDEAS](http://www.uta.edu/IDEAS), or call (817) 272-6593.

**The English Writing Center (411LIBR):** The Writing Center offers **FREE** tutoring in 15-, 30-, 45-, and 60-minute face-to-face and online sessions to all UTA students on any phase of their UTA coursework. Register and make appointments online at <https://uta.mywconline.com>. Classroom visits, workshops, and specialized services for graduate students and faculty are also available. Please see [www.uta.edu/owl](http://www.uta.edu/owl) for detailed information on all our programs and services.

The Library's 2<sup>nd</sup> floor Academic Plaza offers students a central hub of support services, including IDEAS Center, University Advising Services, Transfer UTA and various college/school advising hours. Services are available during the library's hours of operation. <http://library.uta.edu/academic-plaza>.

### Course Schedule

*As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course.*

| Date  | Class Topic                     | Assignment Due/Notes   |
|-------|---------------------------------|--|
| 8/28  | Welcome to the COE at UTA!      |  |
| 9/4   | Grand Challenges of Engineering | Choose Project   |
| 9/11  | Resources at UTA                |  |
| 9/18  | Academic Grit                   |  |
| 9/25  | Introduction to Disciplines     | Watch videos prior to class  |
| 10/2  | Quiz Bowl                       | Reading prior to class   |
| 10/9  | Introduction to Disciplines     | Watch videos prior to class  |
| 10/16 | Introduction to Disciplines     | Watch videos prior to class  |
| 10/23 | Teamwork                        |  |
| 10/30 | Design Project Introduction     |  |
| 11/6  | Project Work Day                | Project Interim Report due   |
| 11/13 | Internships and Co-ops          | Project Interim Report due<br><br>Last chance to turn in Event Reports<br>11/18 5:00pm |
| 11/20 | Project Work Day                | Project Interim Report due<br><br>Final Project Due:<br>11/23 5:00pm                   |
| 11/27 | Engineering Entrepreneurship    |  |
| 12/3  | Going Forward                   |  |

**Emergency Phone Numbers:** In case of an on-campus emergency, call the UT Arlington Police Department at **817-272-3003** (non-campus phone), **2-3003** (campus phone). You may also dial 911. Non-emergency number 817-272-3381