

## University of Texas at El Paso

### Foundations of Engineering UNIV 1301 (CRN 11001; TR 10:30-11:50; MNRS 201) Fall 2019

INSTRUCTOR:	Guikuan Yue, Ph.D.
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OFFICE HOURS:	T 3:00 - 4:30 PM R 9:30 -10:30 AM or by appointment
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LIBRARIAN:	Debjani Mukhopadhyay <a href="mailto:dmukhopadhyay@utep.edu">dmukhopadhyay@utep.edu</a> 747-6715 LIB 215
TEXT:	Studying Engineering: A Road Map to a Rewarding Career, 5 <sup>th</sup> Edition, by Raymond B. Landis (2018). Los Angeles: Discovery Press.
FELLOW CLASSMATES:	

Other materials needed:

One 3 ring binder or notebook for readings/handouts, class notes, assignments and/or journal entries.

#### **Course Description**

“Foundations of Engineering” is the **Gateway** to your engineering education at the University of Texas at El Paso and to the exciting profession of engineering. You will have the opportunity to make meaningful connections to the magic of engineering and to contribute to the UTEP legacy of leadership in developing outstanding students and career professionals. The Foundations **you** build will enable you to be a successful student and a successful engineer!

The foundations are tools for developing:

- academic skills and personal growth skills
- engineering skills in critical thinking and problem solving
- mathematical tools and applications for engineering
- connections with the engineering profession and opportunities to appreciate the world of engineering

At the end of the semester, you will:

- Develop and apply elements of leadership through effective individual participation and meaningful team collaboration.
- Examine your roles and responsibilities crucial for your success in college and beyond.

- Identify, assess, and build on your strengths and experiences to develop academic and transitional strategies necessary for success in your academic, career, and life goals.
- Engage in research and critical thinking activities that demonstrate your ability to effectively integrate your learning within, across, and beyond academic settings
- Engage in campus and community activities to increase your sense of academic and social belonging.

**Student Conduct**

All students are expected and required to obey federal, state, and local laws, to comply with the Regents' Rules and Regulations, with The University of Texas System and University rules and regulations, with directives issued by an administrative official of the U.T. System or The University of Texas at El Paso in the course of his or her authorized duties, and to observe standards of conduct appropriate for an academic institution.

**Scholastic Dishonesty**

Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes but is 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.

**Students with Disabilities Policy**

If you have or suspect a disability and need an accommodation, you should contact the Center for Accommodations and Support Services at 747-5148 or at [cass@utep.edu](mailto:cass@utep.edu) or go to Room 106 Union East Building.

**Syllabus Change Policy**

Except for changes that substantially affect the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice.

Grading:	2 Exams	40%
	Final Exam	20%
	Project and Presentation	20%
	Homework, quiz, class participation, activities and survey	20%

Project: The project will be a team design engineering project. More information and deadlines about the project will be given at a later date.

Presentation: The presentation will be about the project you designed. It will be a fifteen minute presentation using power point. All of the team members are required to present.

**Homework:** The homework must be turned in at the beginning of the class by the due date. As part of your homework, you will be required to have at least 1 mentoring session with your professor and peer leader and attend several campus events.

**Quizzes:** The quizzes will be given at the beginning of the class. No make-up quiz will be given if you are late or absent for any reason.

**Class Participation and Activities:**

There will be many in class group and individual activities. In order to get a grade for them you must participate in the activity. There will be no make up for any of the class activities.

**Survey:** There will be an end-of-semester survey. Your participation is important and it will count as a homework and class activity.

**Grading Scale:**

100%-90%.....A  
89% -80%.....B  
79% -70%.....C  
69% -60%.....D  
59% - 0%.....F

**Attendance:** You are required to come to class and be on time. Attendance is very important since during class you will be given the tools needed to successfully complete this class. You must contact your peer leader and/or instructor if you know you will be absent either by phone or email. It is your responsibility to get all the lecture notes, assignments, and hand-outs you missed. An excused absence will only be given as described in the undergraduate catalog. Please keep in mind that you will be dropped after 6 unexcused absences. However, if you want to be dropped at any time, you must contact your professor and peer leader. If you want to be dropped after the automatic W deadline, you must contact your professor or peer leader. Although you can be dropped for excessive absences (less than 85% attendance - 4 missed lectures), do not assume that if you stop showing up to class, you will be dropped.

**Mentoring:** You will be meeting, on a one-to-one basis, with your peer leader and your instructor at least once during the semester. Each meeting will count as one homework. The meetings will be scheduled after the first exam.

**Missing assignments and exams:**

You will be allowed one make up homework assignment during the course of the semester. You will lose 20 points per each week the assignment is late.

Exams can only be made up from the day the exam is given in class to the next class day. Example: if the exam is on a Tuesday, you can take the exam on that Tuesday, Wednesday (the next day)

and Thursday (prior to the class time). However, 30 points will be deducted from your actual grade.

**Academic Conduct:**

Academic dishonesty will not be tolerated. You must submit your work only. If you are found to be cheating or plagiarizing, you will be subject to disciplinary action, per UTEP catalog policy (<http://www.utep.edu/dos/acadint.htm>).

**Cell Phone:** All cell phones must be turned off or on vibrate before the beginning of the class. If a student starts using his/her cell phone during class, he/she will have to leave the classroom and may only return with the instructor's permission.

**Harassment:** Please be aware that harassment is unacceptable in the classroom. No jokes, comments of sexual nature as well as racists will be tolerated. The student that uses harassment will be sent to the Dean of students for disciplinary action.

The instructor reserves the right to make any changes to the syllabus during the term of the semester. Any changes made to the syllabus will be notified to the students by the instructor prior to the lecture week. I welcome you to a new semester and hope that you will make the effort to learn as much as you can. I know each one of you has the potential to make an A.

**UTEP Final Exam Policy**

Exemption from final examinations cannot be given. Final examinations are scheduled to be two hours, forty-five (45) minutes in length and take place during the final examination period. It is the policy of the University not to administer a second final examination in a course. It is also University policy that students shall not have more than two final examinations in a single day. In the unlikely event that the examination schedule results in a student having three final examinations on a single day, the faculty member upon the request of the student shall reschedule the second of that student's three examinations.

**Important Fall 2019 Dates:**

Labor Day – No classes	September 2
Gold Rush	September 4
Census Day	September 11
Career Expo	September 19-20
Homecoming Week	September 29-October 5
Freshmen Mid-Terms Grades Available	October 25
Drop/Withdrawal deadline	November 1
Thanksgiving – No classes	November 28–29
Dead Day	December 6
Entering Student Research/Creative Projects Showcase	December 7
Final Exams	December 9-13