

CE 2315-002 Statics 27276

Spring 2020 Syllabus

Lecture Session: TR 10:30am – 11:50am
Classroom Building, CRBL C204

Instructor: Prof. Joanne Moyer (jmmoyer@utep.edu)
Office Location: A-212
Office Phone #: (915) 747-7456
Office Hours: Monday & Wednesday 10:00am – 12:00pm
Thursday 1:30pm – 3:00pm
Or by appointment

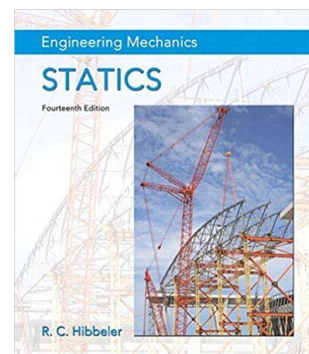
WHAT SHOULD YOU EXPECT FROM ME AS THE INSTRUCTOR?

1. I will provide you with clear instructions on class expectations.
2. I will check my e-mail at least three times per week and will answer back to you as soon as possible.
3. I will leave myself open to suggestions about improvement of the class and class related activities.
4. I will do all I can to enhance your learning and success in this class.
5. If any changes in the course are to be implemented, I will ensure that the class is notified in a timely manner.

REQUIRED MATERIALS:

Textbook: Engineering Mechanics: Statics
14th Edition by: R.C. Hibbeler, 2016
ISBN 978-0-13-391892-2

Assignments: Pearson: Mastering Engineering
Course Name: CE 2315-002 Statics 27276
Course ID: STATICSMOYER27276



<https://www.pearsonmylabandmastering.com/northamerica/masteringengineering/>

Calculator: Only NCEES approved calculators will be permitted, as these are what is allowed for the Fundamentals of Engineering exam. Visit the NCEES website (<http://ncees.org/exams/calculator/>) for more information. No phones. The following are a few of the suggested calculators:

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- Hewlett Packard – HP 33S
- Casio – FX 115MS or FX 115MSPlus
- Texas Instruments – TI 30X IIS
- Texas Instruments – TI 36X SOLAR

It is your responsibility to get acquainted with the features of the calculator you decide to use. I recommend that you use this calculator for all your work (including other courses) since this will help you learn how to use all the features of your calculator.

CELL PHONES:

Please be courteous, and turn off your cell phones during the class lectures.

COURSE OBJECTIVES:

The objectives of CE 2315 are:

Students will learn the principles that govern the behavior of rigid-body systems in static equilibrium. Specifically, students will be able to:

1. Identify an engineering problem appropriate for engineering mechanics analysis;
2. Draw a free-body diagram and identify all forces and moments acting on an object at rest;
3. Represent force and moment systems with equivalent systems;
4. Perform an analysis to identify all forces and moments acting internally or externally on an object; and
5. Determine geometric properties of one, two and three dimensional objects.

GRADING POLICY:

Grading Scheme:

Exams:	10% for Mid-term 1
	10% for Mid-term 2
	10% for Mid-term 3
Final Exam:	20%
Quizzes:	20%
Assignments:	20%
Attendance &	10%
In-class Participation	

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Grading Structure:	A \geq 89.5
	89.5 > B \geq 79.5
	79.5 > C \geq 69.5
	69.5 > D \geq 59.5
	59.5 > F

ATTENDANCE & CLASS PARTICIPATION:

Students are expected to attend all lecture sessions. Those who fail to attend classes regularly are inviting scholastic difficulty and, with the approval of the Dean of the College of Engineering, may be dropped from the course with a grade of F for repeated (4 or more) unexcused absences.

ASSIGNMENTS:

Assignment problems will be assigned via Pearson: Mastering Engineering. Assignments will be available weekly beginning Friday and will be due the following Friday before midnight. Past experience clearly shows that a student's grade is strongly dependent upon the effort that is put into working and understanding the homework. We encourage that you team up with your other classmates for this activity. Please note that each student is responsible to complete the homework assignment individually.

QUIZZES:

Weekly quizzes will be administered in class every Tuesday. Quizzes may be given at the beginning, middle or end of the class. No additional time nor make up quizzes will be given to late attendees or those who leave early. The quizzes may be conducted through blackboard and/or handouts. The quizzes will cover material from the previous week. Quizzes are closed book – closed notes. The lowest quiz grade will be dropped from your grades. Be sure to prepare and be ready to take quizzes on Tuesday's.

EXAMS:

Three mid-term exams will be given. You must take the exams during the scheduled exam periods. These dates are announced on the first day of class although the dates may be changed according to the progress of the class.

In accordance with University regulations, students who miss examinations will receive grades of zero. Exceptions to this rule will be made only on a carefully considered individual basis and only if the student contacts the instructor ***before*** the exam. If you know in advance that you are going to miss an exam, it is ***your*** responsibility to inform the instructor before the exam.

Make sure that you do not have a cell phone or any other electronic item with you during the exams.

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The mere possession of a disallowed calculator, any cell phone or any other electronic item on or near you during tests is the ground for dismissing you from the exam with a grade of zero.

FINAL EXAM:

The final exam is a **closed book-closed note** comprehensive exam. Every student is required to take the final exam at the end of the semester. Your lowest exam score will be replaced with your final exam grade, assuming that the final exam grade exceeds your prior scores.

COURSE PORTFOLIO:

Students are encouraged to prepare a course portfolio documenting all materials relevant to the course. The portfolio shall contain Power Point lecture notes, class notes, handouts, exams, homework assignments, study notes, and any relevant materials accumulated during the semester. I believe that you will benefit from the portfolio years later when you need to review the learned subjects for advanced courses or professional engineer licensure exam

TUTORING

ACES provides tutoring for Statics. Please take advantage of this great resource located in Classroom Building Room C-001. See the link below for hours of operation.

<https://www.utep.edu/engineering/student-resources/student-resources-aces.html>

PERSONS WITH DISABILITY:

UTEP seeks to provide reasonable accommodations for all qualified individuals with disabilities, including learning disabilities. This university will adhere to all applicable federal, state, and local laws, regulations and guidelines with respect to providing reasonable accommodations as required affording equal educational opportunity. It is the student's responsibility to register with Center for Accomodation and Support Services (CASS) in the East Union Bldg., Room 106 within the first two weeks of classes, and inform the faculty member to arrange for appropriate accommodations.

Center for Accomodation and Support Services (CASS) can also be reached in the following ways:

Web: <http://sa.utep.edu/cass/>

Monday thru Friday 8:00a.m.-5:00p.m.

Union Building East Room 106

Phone:(915) 747-5148

cass@utep.edu

POLICY ON CHEATING

Students are expected to be above reproach in all scholastic activities. Students who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the university. Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit 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. The Department of Civil Engineering has established the Honor Code because it has an obligation to the State and the public to prevent students from entering the profession who are not honest and trustworthy in their academic efforts. This Honor Code Policy allows the Department to recommend disciplinary action to the University Student Conduct Office and to remove students from the Department who have violated the Honor Code. This Honor Code is consistent with the *Student Conduct and Discipline* Chapter of the *Student Affairs* Section of the *Handbook of Operating Procedures* of the University of Texas at El Paso.

All students should sign the Honor Code Agreement and submitted to the Civil Engineering office for record keeping and be deeply familiar with the Honor Code Policy published in our website: <http://ce.utep.edu/honorcode.htm>

SEE NEXT PAGE FOR TENTATIVE SCHEDULE

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TENTATIVE SCHEDULE:

NOTE: *Schedule may be modified to accommodate particular needs as the semester progresses.* If the student misses a class, it is his/her responsibility to acquire specific material covered and/or assignments made for that class period. It is to the students benefit that they read and study the chapters and sections as outlined in this calendar to reinforce the material that is presented in the class.

Week	DATES	CLASS TOPICS
1	Jan. 21-Jan. 23	Syllabus, Chapter 1/Chapter 2
2	Jan. 28- Jan. 30	Chapter 2
3	Feb. 4- Feb. 6	Chapter 2/Chapter 3
4	Feb. 11- Feb. 13	Chapter 3
5	Feb. 18- Feb. 20	Exam 1 /Chapter 4
6	Feb. 25 – Feb. 27	Chapter 4
7	March 3 – March 5	Chapter 4/Chapter 5
8	March 10 – March 12	Chapter 5/ Exam 2
9	March 17 – March 19	Spring Break
10	March 24 – March 26*	Chapter 5/Chapter 6
11	March 31-April 2	Chapter 6/Chapter 7
12	April 7 – April 9	Chapter 7**
13	April 14 – April 16	Chapter 9
14	April 21 – April 23	Chapter 10
15	April 28 – April 30	Chapter 10/ Exam 3
16	May 5 – May 7	Chapter 10
Thursday, May 14 Final Exam: 10:00am – 12:45pm		

*Note: March 27th Withdrawal Deadline

**If time allows, we will cover Chapter 8 at the end of the course.

FINAL COMMENT:

I wish you all the best in the course. Please do not hesitate to ask questions in class, or if necessary, to see your professor outside of class. **Any specific comments that students have on how the course might be improved are particularly welcomed, especially during the semester.**