

CE 2315-002 Statics 15283

Fall 2020 Syllabus

*Note: the instructor reserves the right to modify the following information as deemed necessary.

Lecture Session: Online

Instructor: Joanne Moyer, PhD (jmmoyer@utep.edu)
Office Location: A 212
Office Phone #: (915) 747-7456
Online Office Hours: Blackboard Collaborate
Monday 1:00pm – 2:00pm
Or by appointment

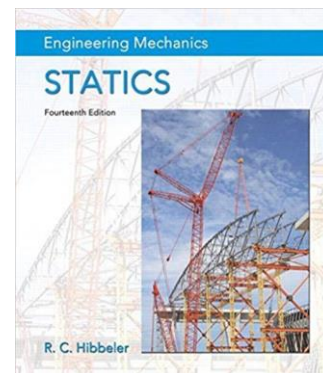
WHAT SHOULD YOU EXPECT FROM ME AS THE INSTRUCTOR?

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 Fall 2020
Course ID: moyer48606



<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:

- Hewlett Packard – HP 33S

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- 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.

Technology: Webcam/Computer camera for online meetings and exams/quizzes.

CELL PHONES:

Please be courteous, and turn off your cell phones during the online 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:	15% each Exam, total 45%
	Final Exam:	20%
	Quizzes:	15%
	Assignments:	20%

Grading Structure:	$A \geq 90$
	$90 > B \geq 80$
	$80 > C \geq 70$
	$70 > D \geq 60$
	$60 > F$

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ATTENDANCE & CLASS PARTICIPATION:

- *Students are expected to attend all online lecture sessions, watch all videos, and read all course material assigned.*
- “Online Modules” will be provided for each Chapter and Sections, which include but not limited to: videos, lecture slides, readings, and assignments for the Chapters and Sections subject matter.
- Those who fail to complete the course material are inviting scholastic difficulty.

ASSIGNMENTS:

- *Assignment problems will be assigned via Pearson: Mastering Engineering.*
- *Written assignments may also be assigned during the semester.*
- *Assignments will be available after a subject has been covered. Assignments will be due within a week after availability.*
- Past experience clearly shows that a student's grade is strongly dependent upon the effort that is put into working and understanding the homework.
- **Late assignments will not be accepted. No exceptions!!**

QUIZZES:

Weekly quizzes will be administered via blackboard/Mastering Engineering. Respondus LockDown Browser (Webcam required) is required in order to take the quizzes through blackboard.

- **Weekly quiz day and time is Thursdays at 10am or 7pm MST. Each student will choose ONE quiz to complete.**
- Download Respondus LockDown Browser prior to the first online quiz. See Respondus LockDown Browser instructions for more information.
- Webcam/Computer Camera is required for the Respondus Lockdown Browser.
- I will send an email of quiz details at least a day before the quiz.
- 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.
- Each student must submit their hand calculations showing their work within 15 minutes after quiz completion in order to receive credit. Failure to do so will result in a zero regardless if the answer is correct. No calculations, no credit!!
- **Late quizzes will not be accepted or administered. No exceptions!!**
- **No makeup quizzes will be administered. No exceptions!!**

EXAMS:

Exams will be administered via blackboard/Mastering Engineering. Respondus LockDown Browser (Webcam required) is required in order to take the exams on blackboard.

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- Download Respondus LockDown Browser prior to the first online Exam. See Respondus LockDown Browser instructions for more information.
- Webcam/Computer Camera is required for the Respondus Lockdown Browser.
- Exams are closed book – closed notes. No cell phones allowed.
- Each student must submit their hand calculations showing their work within 15 minutes after exam completion in order to receive credit. Failure to do so will result in a zero regardless if the answer is correct. No calculations, no credit!!
- **No makeup exams will be administered. No exceptions!!**
- **See tentative schedule for Exam dates. The time for exams are at 10am or 7pm MST. Each student will choose ONE exam to complete.**

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

Your lowest exam score will be dropped.

In accordance with University regulations, students who miss examinations will receive grades of zero.

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

The mere possession of a disallowed calculator, any cell phone or any other electronic item on or near you during exams is the ground for receiving a grade of zero.

FINAL EXAM:

The final exam will be administered via blackboard/Mastering Engineering. Respondus LockDown Browser (Webcam required) is required in order to take the quizzes on blackboard.

- Download Respondus LockDown Browser. See Respondus LockDown Browser instructions for more information.
- Webcam/Computer Camera is required for the Respondus Lockdown Browser.
- Final Exam is closed book – closed notes. No cell phones allowed.
- Each student must submit their hand calculations showing their work within 15 minutes after exam completion in order to receive credit. Failure to do so will result in a zero regardless if the answer is correct. No calculations, no credit!!
- **You must take the final exam during the scheduled final exam time. No exceptions!!**
- Please see tentative schedule for Final Exam day and time.

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.

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

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 Accommodation 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 Accommodation 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>

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TENTATIVE SCHEDULE:

NOTE: *Schedule may be modified to accommodate particular needs as the semester progresses.* 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	Aug 24-30	Syllabus, Chapter 1/Chapter 2
2	Aug 31 - Sept 6	Chapter 2
3	Sept 7 - Sept 13	Chapter 2/Chapter 3
4	Sept 14 - Sept 20	Chapter 3/ Exam 1 Thursday Sept 17
5	Sept 21-Sept 27	Chapter 4
6	Sept 28 - Oct 4	Chapter 5
7	Oct 5 - Oct 11	Chapter 5/ Exam 2 Thursday Oct 8
8	Oct 12 - Oct 18	Chapter 6
9	Oct 19 - Oct 25	Chapter 7
10	Oct 26 - Nov 1	Chapter 7
11	Nov 1 - Nov 8	Chapter 9/ Exam 3 Thursday Nov 5
12	Nov 9 - Nov 15	Chapter 9
13	Nov 16 - Nov 22	Chapter 9/Chapter 10
14	Nov 23 - Nov 29	Chapter 10/ Thanksgiving
15	Nov 30 - Dec 4	Chapter 10/ Exam 4 Thursday Dec 3
Thursday, December 10		
Final Exam: 6:00pm - 8:45pm		

FINAL COMMENT:

I wish you all the best in the course. Please do not hesitate to ask questions. **Any specific comments that students have on how the course might be improved are particularly welcomed, especially during the semester.**