

Course Syllabus

Course Name: Statics

Course Number: CE 2315, 3 credits

Instructor: Professor Marshall
Engineering Room A214
915.747.5765
asmars@utep.edu

Location/time: TBD(to be determined)

Course Description: This course is designed to give students a working knowledge of the effects of forces, equilibrium between bodies, distributed forces, free body diagrams, trusses, and moments of inertia

Textbook: There is no required textbook but we recommend any edition of Statics by Hibbeler, 4th Edition or Engineering Mechanics: Statics by Meriam and Krage that is available through Amazon and the bookstore.

Exams, Assignments: Three exams will be given in class. Students will be allowed to retake the first exams if the exam is failed, up to three times. If a student fails to pass the first exam after 3 attempts, the student should withdraw/ Students will be required to work through the Carnegie Mellon University online course in Statics for which students will be given a link and access code. There is no cost for the Carnegie online cost. Homework assignments will be given to students on a weekly basis through Piazza.com for which students will automatically be given access. Students will come to class prepared to present the results of their homework problems. If the student has not completed the scheduled Carnegie online segments for the weeks

up through the exams, they will not be allowed to take the exams that week.

Students who complete the entire Carnegie course before the third classroom exam will not need to take the third exam and will be graded at B or better if they complete the Carnegie with a grade of 70% or above on average.

In addition to using the Carnegie online course, students are encouraged to also use the following resources to work through additional instruction and problem solving:

- Virtual Laboratory for the Study of Mechanics (www.ae.msstate.edu)
- Your Other Teacher (www.YourOtherTeacher.com) - this is a fee based instructional system and involves a \$29 fee but it can almost guarantee you a good grade
- Wiley Plus System
- Mastering Engineering by Pearson

Class Structure: There are no lectures in this class. Students will work through the Carnegie online course and also will work through assigned problems each week in class. The entire class period will be devoted to students presenting the results of their homework problems.

Class Subject and Reading Schedule

<u>Week</u>	<u>Carnegie Module Modules</u>
1	1 - 3
2	4 - 5
3	6 - 7
4	8 – 9/Exam No. 1
5	10 – 11
6	12
7	13 – 14
8	15/Exam No. 2
9	16
10	17
11	18
12	18

13
14

19
20/Exam No. 3

Grading:

Presentation of homework will be done by Teams of two students in class. You may select a team partner on your own. Teams will extra credit for excellent presentations.

Exams will be open book, calculator plus a cheat sheet provided by the Professor. No notes, cell phones, or any computer will be allowed. Final grades will be based on the exams; 25% for the first two exams and 50% for the third exam.

Academic Integrity: Academic integrity will be enforced in accordance with University and Department policies.

Disabilities: Students with disabilities will be accommodated. Students are required to notify the instructor of any disability at least one week before the start of class.