

CE 202-501 -- Tuesdays & Thursdays 9:00 – 10:15 AM in A126

Instructor: Annette Hatch

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Office Hours: MW 8-9 (A123), TTh 8-9 (STEM Center),
W 10:30 – 12:00 & 1:30-3:30 (A123) or by appointment.

COURSE DESCRIPTION: Statics of particles and rigid bodies in two and three dimensions using vector algebra as an analytical tool; centroids; distributed loads; trusses, frames; internal forces, friction. Prerequisites: PHYC 160 and MATH 163.

COURSE LEARNING OUTCOMES: The primary objective of this course is to develop a thorough understanding the forces on objects at rest. A second and equally important objective of this course is to develop broad engineering skills, such as mastering complex concepts, critical thinking, and problem solving.

COURSE MATERIALS: *Engineering Mechanics: Statics by Hibbeler (13th ed.)*, engineering paper, pencil, scientific calculator, 3-ring binder or folder. (Items may be shared with other classes.)

Grading Scale (Note: + and – of grades are possible but only if of benefit to the student.)

A	90 – 100%	CR	Credit	72 – 100%
B	80 – 89%	NC	No Credit	< 72%
C	70–79%			
D	60–69%			
F	< 59%			

In-Class Quizzes	25%
Homework	25%
Midterm	20%
Final Exam	30%

IMPORTANT DATES with respect to this class:

No Classes: Labor Day, September 4, 2017

Last date to drop without a grade: Friday, September 8, 2017

Midterm Exam: Tuesday, October 10, 2017

Fall Break: October 12 -15, 2017

Thanksgiving Break: November 23-26, 2017

Final Exam: Tuesday, December 12, 2016 8:30-10:30 AM in A126

ATTENDANCE POLICY: Attendance is crucial. If a student misses 2 classes in the first three weeks or 4 classes total, the student may be dropped from the class. The student bears full responsibility for the material and procedural information covered in class.

IN-CLASS QUIZZES: A 20-minute quiz covering recent material will be given each Thursday at the end of class. A calculator and one 8 x 11.5" piece of paper will be permitted. If you are absent or arrive after the quiz has been collected, you will not be able to make up the quiz. The two lowest quiz scores will be dropped. If there is no class on a particular Thursday, there will be no quiz that week.

HOMEWORK: There will be weekly homework assignments listed both in class and on Blackboard Learn. Homework must be neat, legible and submitted as shown on the homework example or the score on each unacceptable problem will be reduced by 10%. Homework submitted more than one class period after the due date will have scores reduced by 25%. Homework problems may be reworked *from scratch* and submitted with the original problem for up to half the points missed. Reworked problems must be submitted in the same half of the semester in which they were assigned. Penalty points may not be recouped.

MIDTERM & FINAL EXAMS: These exams will be cumulative. A calculator and one 8½x11-inch sheet of paper will be permitted. No Internet connectivity will be allowed. Phones will be off.

EXPECTATIONS: Students are expected to conduct themselves in a polite, courteous, professional and collegial manner. Cell phones must be set on silent. Please step into the hall if you need to take a call during class. Cell phones must be turned off during exams.

SUPPORT SERVICES: The Valencia Campus Library provides a quiet atmosphere for study and is an excellent resource for supplementary materials. Audiotapes and videotapes are available for student use through the library. The new Learning Commons (925-8907) and STEM Center (925-8515) offer math & science tutoring at no cost to the student. The Writing Center can provide free help with all written assignments. (For Writing Center appointments email gillikin@unm.edu or call 925-8513.) Students who miss tutoring appointments may be denied future appointments.

UNM EMAIL/BLACK BOARD LEARN ACCESS: Beginning Fall 2015 semester, all UNM-Valencia students will need a UNM Net ID which can be created by going to: <http://it.unm.edu/accounts/>. UNM Net ID will give you access to the computer labs on campus, blackboard learn and UNM Email.

COMPUTER LAB RESPONSIBILITY: Please be advised that use of computer labs on UNM properties is governed by “Policy 2500: Acceptable Computer Use” which can be found at <http://policy.unm.edu/university-policies/2000/2500.html>. Food and drink are also prohibited in any computer lab on campus. Anyone violating these policies is subject to possible suspension and loss of computer lab privileges.

DISABILITY STATEMENT: If you have a documented disability, the Equal Access Services office will provide me with a letter outlining your accommodations. I will then discuss the available accommodations with you to determine the best learning environment. If you feel that you need accommodations, but have not documented your disability, please contact Jeanne Lujan, the coordinator for Equal Access Services at 925-8910 or jmlujan@unm.edu.

TITLE IX: In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered “responsible employees” by the Department of Education (see pg 15 - <http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf>). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: <https://policy.unm.edu/university-policies/2000/2740.html>

UNM’s Policy on Academic Honesty: Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, including dismissal, against any student who is found responsible for academic dishonesty. Any student who has been judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course. Academic dishonesty includes, but is not limited to, dishonesty in quizzes, tests or assignments, claiming credit for work not done or done by others; hindering the academic work of other students; and misrepresenting academic or professional qualifications within or outside the University.

Week	Dates	CE 202 Reading/Lecture Schedule (Subject to Change)
1	8/22 & 24	Chapter 1 General Principals
2	8/29 & 31	Chapter 2 Force Vectors
3	9/5 & 7	Chapter 2 continued
4	9/12 & 14	Chapter 3 Equilibrium of a Particle
5	9/19 & 21	Chapter 3 continued
6	9/26 & 28	Chapter 4 Force System Resultants
7	10/3 & 5	Chapter 4 continued
8	10/10	Midterm
9	10/17 & 19	Chapter 5 Equilibrium of a Rigid Body; 10/17 First 8 weeks HW Final Deadline
10	10/24 & 26	Chapter 5 continued
11	10/31 & 11/2	Chapter 6 Structural Analysis
12	11/7 & 9	Chapter 6 continued; Chapter 7 Internal Forces
13	11/14 & 16	Chapter 8 Friction
14	11/21	Chapter 9 Center of Gravity and Centroid
15	11/28 & 30	Chapter 10 Moments of Inertia
16	12/5 & 7	Review; 12/5 Second 8 weeks HW Final Deadline
17	12/14	Final Exam: Tuesday, December 12, 2016 8:30-10:30 AM in A126