De Anza College

Spring 2023

Syllabus for ENGR 35: Statics – 4 units

This course covers the principles of statics as applied to particles and rigid bodies in two and three dimensions; vector solutions for concentrated and distributed loads; the determination of centroids and moments of inertia and the effects of dry friction; and programming computer solutions.

Course Logistics: M/W from 6:30 pm to 9:10 pm via Zoom. Log into Canvas course site and join the meeting via the Zoom link provided in the calendar.

Office Hours: Fridays from 11:00 to 12:40 am, on campus in room S55 and online by appointment only via Zoom.

Instructor: Professor Markt

Contact: marktcheri@fhda.edu I check messages on Mon/ Wed / Fri

Prerequisites: Prerequisite: ENGR 10, MATH 1B (or MATH 1BH), and PHYS 4A.

Course Materials

1) Textbook: FP Beer, ER Johnston, DF Mazurek, PJ Cornwell, and BP Self, Vector Mechanics for Engineers: Statics, and Dynamics, 12ed., McGraw-Hill, 2019. (Only the statics section is needed)

2) Canvas: Log in via MyPortal. This is where lecture notes will be found, assignments will be turned in and links to virtual classes will be available.

3) Zoom: Join Zoom Meeting from Canvas

4) (Optional) SolidWorks

Academic Calendar

- Last day to drop classes without a W: April 23rd
- Final Exam: June 28th 6:15 pm - 8:15 pm
- For a full list of dates go here https://www.deanza.edu/calendar/Links to an external site.

Course Grade

The final grades will be based on the following.

10% Lab Assignments: Discussion topics for for each chapter will be provided, and one response with either a question or answer to another student's question is required. Guidance will be provided and responses will be posted to a class discussion board.

35% Problem Sets: Homework will be assigned for each section.

Please have your camera turned on during the online exam.

10% Exam 1: Chapters 2-4

10% Exam 2: Chapters 5-7

10% Exam 3: Chapters 8-10

20% Final Exam

5% Project

Grade Scale

Overall grades will be assigned as follows:

93-100%	A	83-86%	B	70-76%	C
90-92%	A-	80-82%	B-	60-69%	D
87-89%	B+	77-79%	C+	0-59%	F

Late Work

You will be using Canvas to turn in your assignments and due dates will be posted online. Late assignments will be accepted up to seven days past the due date, but only for partial credit - a 20% penalty will be applied.

Academic Integrity at De Anza

"As a student at De Anza you join a community of scholars who are committed to excellence in the teaching/learning process. We assume that all students will pursue their studies with integrity and honesty; however, all students should know that incidents of academic dishonesty are taken very seriously. When students are caught cheating or plagiarizing, a process is begun which may result in severe consequences. It is vitally important to your academic success that you know what constitutes academic dishonesty. See also, Academic Honor code for Internet Based Courses." https://www.deanza.edu/gov/academicsenate/academic_integrity.htmlLinks to an external site.

Disability Statement

To obtain disability related accommodations, students must contact Disability Support Services as early as possible in the quarter. Visit the website to learn more

https://www.deanza.edu/dsps/dss/Links to an external site. If you already have an accommodation notification, please contact me privately to discuss your needs.

Student Services

There are many resources available- Check them out! https://www.deanza.edu/services/Links to an external site.

Change of Syllabus

The instructor reserves the right to modify the course requirements, assignments, grading procedures, and other related policies as circumstances dictate. Additional course information may be posted in the Announcements section of the course throughout the semester.

Student Learning Outcome(s):

*The student will be able to analyze two- and three-dimensional force systems on rigid bodies in static equilibrium using vector and scalar analysis methods.

Office Hours:

F	11:00 AM	12:40 PM	In-Person	S55