

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 4:00 pm to 6:45 pm in room S48.

Office Hours: Fridays from 4:00 pm to 5:40 pm, online by appointment via Zoom.

Instructor: Professor Markt

Contact: marktcheri@fhda.edu

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

Course Materials

1) Textbooks

- (Required) Vector Mechanics: Statics Beer Johnston **ISBN10:** 1260710890 | **ISBN13:** 9781260710892
- (Recommended) What if? Randall Munroe **ISBN10:** 9781848549562 | **ISBN13:** 978-1848549562

[2\) Professor Markt's Statics YouTube Channel Links to an external site.](#)

3) Canvas

Academic Calendar

- Last day to drop classes without a W: April 19th
- Final Exam: June 22 1:45 pm - 3:45 pm room S48 *note the different start time
- 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.

Assignments: Pre-Class and In-Class assignments

Exam 1: Chapters 2-4

Exam 2: Chapters 5-7

Final Exam: Chapters 8-10

Project

Grades are based on points earned and the grading scale is provided below.

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 pre-class assignments and due dates will be posted online. In class assignments require class attendance and the completion and review of problems in class. Late assignments will not be accepted.

If you are absent for an exam, you will receive a zero in most cases. If you have an official letter from jury duty or a medical doctor for this exam, I will take the average of the other two exams and use this as your grade. If you miss a second or third exam, you will receive zeros.

Avoid Getting Dropped

To avoid being dropped for non-attendance, you need to attend class and complete participation assignments during the first 2 weeks of class. If you are not present and do not turn in these graded assignments, you will be administratively dropped from the course for non-attendance.

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.

https://www.deanza.edu/gov/academicssenate/academic_integrity.html Links 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):

- Analyze two- and three-dimensional force systems on rigid bodies in static equilibrium using vector and scalar analysis methods.

Office Hours:

F 4:00 PM - 5:40 PM

Zoom