

Time: Monday 7-9 PM  
Room: 1784 Shuhaw  
Section: 1231

Instructor: Andy Hulse  
Email: [chulse@santarosa.edu](mailto:chulse@santarosa.edu)  
Office Hours: TBD or by appointment.

### Course Goals

1. Improve the peer environment by building students into a supportive and enthusiastic academic community.
2. Develop the study, communication, and organizational skills that will bring success in your current academic career and your future engineering career.
3. Orient the students to the environment and resources of this college and other engineering schools.
4. Motivate students through an increased awareness of the opportunities and rewards of a career in engineering.

### Grading

Total Points = 12 x 30 regular classes + 3 x 60 field / visitor classes + 50 Resume/30 Cover Letter + 220 Orals + 13 x 40 regular homeworks + 240 Final Project = **1600 points**.

**(Total and change in content may occur due to circumstances beyond my control)**

- 30 points lost for each missed class. (>4 missed classes drops 1 letter grade!)
- 60 points lost for each missed field trip or class visitor day.
- 15 points lost for each time late to class. (10 minutes)
- 40 points at risk on any individual assignment, except Resume and Cover Letter which are 50 and 30 respectively.
- 20 points lost for a late assignment.
- 220 points at risk for your oral presentation.

Grade	Criterion	Max points lost
A	> 90%	160
B	> 80%	320
C	> 70%	480
D	> 60%	640
F	< 60%	

(over)

## Attendance

**This is a participatory class not a lecture class.**

- You will learn from your fellow classmates and your own investigations, you have to be here to do that. *Engineers rarely work in a vacuum.*
- Most days will involve group activities, discussions and presentations.
- Students missing two consecutive days without notifying the instructor risk being dropped from the class.
- If you are late or miss a class, you will lose points.

There are no excused absences, but plenty of opportunities to make up points.

If you end up needing more makeup points, we can sort out ideas about make-up activities. Make-up activities are flexible; come up with something you would find valuable & then check it with me.

This class is for YOU.

## Field Trips and Visitors

As can be arranged, we will have guest speakers and field trips, goal of at least three. If a field trip or speaker is arranged, it counts double for attendance purposes. Students frequently find these visits and trips the most rewarding activity in the whole class.

***We'll do the best we can regarding students arriving or leaving promptly from field trips, because of adjacent classes.***

## Individual Assignments

All or Almost all work will be turned in via Canvas. Make sure you know how to use Canvas – if necessary, ask your fellow students or contact SRJC support.

The goals of the assignments are to expose you to resources, ideas, and information and guide you in doing essential research about whether Engineering is for you, what kind you might like, how you can pay for it, etc., all work you would need to do anyway and this way you get class credit!

I encourage you to adjust the assignments to what you would benefit from most (i.e. you are welcome to slant your assignments into your areas of interest.)

*example: If you are dreaming of going to UCSD, perhaps pick that as your Oral (if not already selected by a prior student).*

**All assignments must be fully responsive to requested information, so read assignment carefully and address all items.** Include URL or contact information on sources, people, or companies.

**Points can be lost for being late (20 points) or for poor effort.**

Earning “bonus” or “make-up” points is possible, but don’t rely on that to make up for missed assignments – if you have trouble getting the work done, you will have trouble getting even more work done!

## Oral Presentation: 220 points

Each student will make a short 5-minute presentation to the rest of the class.

- Sign-ups for the various topics and dates will be made on the second day of class.
- The topics are: a field of engineering, how something works, a local company, an engineering school, an engineer you interviewed, or an ethics scenario.

## Final Exam/Project: 240 points for your final.

- Tower building effort with straws and paper clips!
- Create a company, recruit employees, plan the build.