

## Course Syllabus

### Fall 2010

### General

#### CS 490 Senior Team Project & CS 690 Master's Project

Fall 2010 · Kalmanovitz Hall, Room 263

Tuesdays & Thursdays · 9:55am – 11:40am

#### Website:

<http://www.cs.usfca.edu/~sjengle/courses/fall2010/cs490/>

[http://blackboard.usfca.edu/bin/common/course.pl?course\\_id=\\_30666\\_1](http://blackboard.usfca.edu/bin/common/course.pl?course_id=_30666_1)

#### Mailing List:

[cs690@cs.usfca.edu](mailto:cs690@cs.usfca.edu) · <https://cs.usfca.edu/mailman/listinfo/cs690>

#### Description:

This course gives students experience working in teams on the specification, design, implementation, testing, and documentation of a significant software project. Sound software engineering practices are used to evaluate each stage of the project. Written and verbal communication is emphasized through frequent documentation submissions, informal group discussions, code walk-throughs, and student presentations.

### Instructor

#### Sophie Engle

[sjengle@usfca.edu](mailto:sjengle@usfca.edu) · <http://www.cs.usfca.edu/~sjengle/>

#### Office Hours:

Harney Science Center · Room 140B

Tuesdays & Thursdays 1:00pm–2:30pm (*and by appointment*)

### Learning Outcomes

At the end of this course, students should be able to:

- Gain experience with investigating, specifying, designing, implementing, testing, and documenting a significant software project
- Practice the verbal and written communication of technical concepts
- Gain experience with working with a project sponsor
- Gain more experience working in teams

## Resources

There are no required books for this class.

## Grading

The final grade will depend on documentation, status reviews, presentations, and class participation. The specific breakdown is as follows:

10% Specification Document
8% Status Review 1
12% Midterm Presentation & Current Progress
5% Other Documentation (Test Plan, etc.)
3% Team Website
8% Status Review 2
26% Final Presentation, Documentation, Deliverables, & Project Quality
8% Status Review 3
10% Individual Contribution to Team
10% Class Participation, Attendance, & Timeliness
100% Total

The course grade is based on a weighted average of the above items. Letter grades will be assigned according to the following scale:\*

Cutoff	
A $\geq$ 90.0%	<i>*Note that this scale is subject to change.</i>
B $\geq$ 80.0%	
C $\geq$ 70.0%	
D $\geq$ 60.0%	
F < 60.0%	

The instructor may curve the grades if the grade distribution warrants it. Attendance is mandatory. All deadlines are firm except in case of emergency.

An “average” project that meets all important project requirements, is expected to earn an overall project grade of 85%. To earn a higher project grade, the project must exceed typical expectations.

## Late Policy

Students are responsible for meeting all homework and project deadlines. In general, late homework is not accepted. If an emergency arises and you are unable to make a deadline, please notify the instructor beforehand to avoid grade penalty.

Students are responsible for keeping backups of written assignments and project files until the course is over. Extensions will not be granted for lost work.

## Tentative Schedule

The following is a tentative schedule for this semester. For an updated schedule, please refer to the “Schedule” section of the course website.

- WEEK 1: Course Introduction, Sponsor Presentations, Project Selection
- WEEK 2: Project Investigation, Meeting with Sponsors
- WEEK 3: Draft Project Specification
- WEEK 4: Meetings with Individual Teams
- WEEK 5: Status Review 1
- WEEK 6: Practice Presentations
- WEEK 7: Giving Effective Presentations
- WEEK 8: Midterm Presentations
- WEEK 9: Implementation
- WEEK 10: Testing and Test Plans
- WEEK 11: Implementation & Testing
- WEEK 12: Status Review 2
- WEEK 13: Project Refinement
- WEEK 14: Practice Presentations
- WEEK 15: Final Presentations
- WEEK 16: Status Review 3, Final Documentation & Deliverables Due

Final presentations will be held at the end of the semester in lieu of the final exam.

## Non-Disclosure Agreements

Students may be required to sign NDAs (Non-Disclosure Agreements) as a condition of discussing certain companies’ projects. Please keep this in mind when selecting a project. Feel free to contact the instructor with any concerns you may have with signing an NDA.

## Academic Honesty

I expect all students to adhere to the academic honesty policies at USF. More information is available at <http://www.usfca.edu/fogcutter/studentconduct/>.

Students caught violating the academic honesty policy will face severe penalty. A first offense will result in a 0 on an assignment or exam, and a report to the Dean’s office. Repeat offenses may result in an F for the course.