### CS4961/CS4962 Senior Design Project

### Course Description:

The Senior Design Project gives students an opportunity to design and develop a software project that addresses a realistic problem. Each team will work with a liaison (representing the "client") and a faculty advisor.

The non-traditional nature of the course imposes responsibilities on the students. These include, but are not limited to the following.

* Planning and scheduling individual and team efforts to complete required work by the established deadlines
* Working productively within the team despite inevitable conflict
* Learning new technologies and utilizing resources available for the completion of the project.
* Assuming various specialized roles within the group.

### Each group should maintain and update its own project page at [http://csns.calstatela.edu/department/cs/projects?year=2018](http://csns.calstatela.edu/department/cs/projects?year=2017)

**Deliverables**

| **Course** | **Student** | **Deadlines** | **Faculty Advisor Evaluation** | **Knaur / Hurley** |
| --- | --- | --- | --- | --- |
| CS4961 | **Writing Assignment (Individual)**Writing assignment(1st draft)Writing assignment (Revised)**Projects page (Group)**DescriptionRequirements DocumentPreliminary Design DocumentRubric Assignments (Individual)Team Work (for your group)Oral Presentation (Individual) | Oct. 15 Nov. 22 Dec 1Dec. 8 Dec. 8Dec. 8Dec. 1 | FeedbackEvaluate RequirementsRubric evaluation | Feedback, gradeRubric evaluation, gradeRubric evaluationRubric evaluationFeedback, rubric evaluation |
| CS4962 | Projects page (Group) Description/Abstract (10-15 lines) Updated Requirements Document p Updated Design Document  Poster Project Report  Presentation slides  Code ZipfileWriting Assignments (individual)Writing assignment(1st draft)Writing assignment (Revised)Rubric Assignment: Team Work (Group)Oral Presentation RehearsalOral Presentation at Senior Design Expo |  April 10April 14April 14 April 20May 4May 4 May 4 March 10April 21April 14April 17-25 (TBA)May 4 | Rubric evaluation (l)Rubric evaluation (T) (students & advisor) | Rubric evaluation (D)Rubric evaluation (W/L)Rubric evaluation (O) |

**Additional Information**

* See prior years group project (and strive to make it much better)
* A typical organizational chart for your group project is described below.
* Team members will assume responsibility for various roles, such as:
	+ Project lead
	+ Customer liaison/requirements lead
	+ Architecture/design lead
	+ Component leads such as UI, backend, database schema, etc.
	+ QA lead
	+ Documentation lead
	+ Demo/presentation lead
* The overall team leader has additional roles
	+ Update project page on CSNS
	+ Interact with team leaders from other projects
* Mandatory attendance
	+ Kick-Off day
	+ Presentations day
	+ Expo day
	+ College/Department workshops (Fridays)
* Time commitments per week
	+ 1 to 2 hour block with Industry Liaison
	+ 1 to 2 hour block(s) with faculty/graduate advisor
	+ 5 to x hours of time for group/individual activities

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