### 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)**  Description  Requirements Document  Preliminary Design Document  Rubric Assignments (Individual)  Team Work (for your group)  Oral Presentation (Individual) | Oct. 15  Nov. 22  Dec 1  Dec. 8    Dec. 8  Dec. 8  Dec. 1 | Feedback  Evaluate Requirements  Rubric evaluation | Feedback, grade  Rubric evaluation, grade  Rubric evaluation  Rubric evaluation  Feedback, rubric evaluation |
| CS4962 | Projects page (Group)  Description/Abstract (10-15 lines)  Updated Requirements Document p Updated Design Document  Poster  Project Report  Presentation slides  Code Zipfile  Writing Assignments (individual)  Writing assignment(1st draft)  Writing assignment (Revised)  Rubric Assignment: Team Work (Group)  Oral Presentation Rehearsal  Oral Presentation at Senior Design Expo | April 10  April 14  April 14 April 20  May 4  May 4  May 4  March 10  April 21  April 14  April 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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