CSCI 482R: Interdisciplinary Project

Fall 2019

You **MUST** be an Interdisciplinary option student and have taken ESOF 322 (co-requisite is ok) to take this course –no exceptions.

Date	Event	Activities
08.29	Class Introduction	Start looking for project partners. Presentations from potential project sponsors
09.05	Software Factory projects	Presentations from potential project sponsors
09.12	Other potential projects	Projects/Partners **must** be chosen
09.19	All groups must be formed and projects selected	Prepare to discuss a high-level overview of your project and share with the rest of the class
09.26	**No class**	
10.03	**No class**	**HW:** Email a half page/description abstract of your project to Clem. Make sure you include all team member names. (10%)
10.10	Writing a Technical Report Writing a proposal	
10.17	**No class**	
10.24	Discuss progress on proposals	**HW:** Send 2 or 3 slides to Clem by the start of the week (5%)
10.31	**No class**	
11.07	Proposals. **No class**	**HW:** Preliminary proposal portfolio due. Deliver printed copy to CS office or place in Clem's mail cubby.
11.14	Proposal Feedback	
11.21	Hand in proposals	**HW:** Final proposals due (70%)
11.28	Thanks Giving Holiday. **No class**	
12.05	Presentations	10 min. presentations (15%)
12.12	Exams week. **No class**	

Potential Meeting Times

- Thursdays 14:05 - 14:55 p.m. in ROBH 312A.
- Note that **we do not meet every Thursday**. You must attend class, and it will be taken into consideration on your final grade.

Instructors

- Clem Izurieta. NAH 253D. 994-3720. Office hours are either when my door is open or as listed in the CS faculty website.

Course Outcomes

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

- Understand how to write an effective proposal
- Understand how to make an effective presentation
- Understand how to write an effective report

Grading

- 70% - submit a well written technical proposal that describes your intended project. The proposal should contain the following sections:
  - Introduction: What problem are you trying to solve
  - Qualifications: Include all team member resumes (1 page each)
  - Background: Provide any special knowledge needed to understand your proposal. Are there other tools, research, projects that tackle this issue? How is your work different?
  - Work Schedule: What to expect from whom. Assign responsibilities and describe your milestones. Describe your lifecycle approach and justify it.
  - Proposal Statement: Describe your project and include the following sub sections: (1) functional and non-functional requirements (2)performance requirements (3) interface requirements (4) architectural design documents and (5) development standards, tools used, etc.
  - Methodology: Include the following subsections: (1) UML diagrams and any other relevant designs (2) Identify one or more design patterns that you will use in the implementation (3) Discuss the various design tradeoffs and decisions that you make (at the design level)
  - Expected Results
  - References
- 10% - Abstracts
- 5% - Slides for discussion
- 15% - demonstrate and submit a well-constructed 10 min. power point presentation.