Welcome to your 5th PINC (Minor in Computing Applications) course!

Course Syllabus

Course Number: CSC 698-B
Course Title: Topics in Computing
Number of Credits: 3
Course Level: Junior and Senior undergraduates.

Instructor: Dr. Anagha Kulkarni (ak@sfsu.edu)

Prerequisite: CSc 698a

Textbook: Reading and study material will be provided in class.

Course Website ilearn.sfsu.edu

Course Objectives: The objectives of this course are:
1. To develop fully functional software solutions to the interdisciplinary projects defined and prototyped in CSc 698a.
2. To help students gain understanding and appreciation for developing software as a group.
3. To provide the students a venue to disseminate and showcase their software solution.

Learning Outcomes: At the end of this course students will:
1. have a thorough understanding of software development lifecycle, and version controlling.
2. have a broad understanding of diverse applications of computing.
3. have the skillset to develop and extend a moderately complex software system.
Grading:

Weekly Tasks: 60 points (5 points x 12 weeks)
- Completion Status: 4 points per week
- Skills employed: 1 point per week (use of any two or more skills earns full 1 point)
  - Technical Skills
    - Programming
    - Trouble shooting
    - Using external libraries
    - Version controlling
  - Collaborative Skills
    - Communication/Coordination with team-members
    - Responsible contributor (team-members’ work is getting supported or blocked by your work)
    - Team-player (e.g. helping team-member think through a problem)

Recorder-Reporter: 15 points (1 point per week: The completeness of the recorder doc (0.5) and reporter doc (0.5))
- Recorder doc: Group meeting notes. Should be posted by EOD of the group meeting.
- Reporter doc: Weekly Tasks report for every team-member. Should be posted before start of the group meeting.
- All the team members get the same points as the Recorder and Reporter of that week.

Peer Evaluation: 9 points (3 points per evaluation)
- End of 5th week (Due on Feb 28, 5pm)
- End of 10th week (Due on Apr 10, 5pm)
- End of 15th week (Due on May 15, 5pm)
- Every student will evaluate all the other students in the team.
  Average points assigned to each student will be their peer evaluation score.
- Evaluation based on:
  - Technical skills (see above)
  - Collaborative skills (see above)
  - Leadership skills
    - Proactive role in moving project forward
    - Defining/monitoring project goals and milestones

CoSE SPS Poster Presentation: 6 points
- Attendance (1 point)
- Active Participation (3 points)
- Summary: 1 Paragraph (2 points)

Final Presentation: 5 points (Wed, May 20, 12:30 to 2:30pm)
Final Report: 5 points (Fri, May 22, by 5pm)

Group meetings: These are 45 minute weekly meetings attended by all teammates, project mentor, and Professor Kulkarni.

Mentor meetings: These are 60 minute weekly meetings attended by all teammates and project mentor.

Course Policies:

**Attendance:** Attendance at online class and mentor sessions is mandatory. Note the 30% of points given to in-class participation and mentor sessions. While it might seem possible to get 70% of points (a passing score) without attending class, it is not actually possible due to team work and quizzes that will occur during class time. **Technology needs:** If you need additional technology or internet access to attend online classes and complete assignments, please request assistance during Week 1 of the semester.

**Cheating and plagiarism:** Any form of cheating or plagiarism will incur very serious consequences. Carefully review the department’s policy on this matter: [http://www.cs.sfsu.edu/plagarism.html](http://www.cs.sfsu.edu/plagarism.html)

**Students with disabilities:** Students with disabilities who need reasonable accommodations are encouraged to contact the instructor. The Disability Programs and Resource Center (DPRC) is available to facilitate the reasonable accommodations process. The DPRC is located in the Student Service Building and can be reached by telephone (voice/TTY 415-338-2472) or by email ([dprc@sfsu.edu](mailto:dprc@sfsu.edu)).

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