CSE 4202 Software Development Projects 2 (3 credits)

Primary instructor: Philip Chan   **Supporting instructor:** William Allen

Textbooks and references:

Material on course web page

Course information:

2014–2015 Catalog description: CSE 4202 Software Development Projects 2 (3 credits). A two-semester, senior-year project sequence that serves as the capstone for the project-intensive courses in software engineering. Students team to implement a software project from conception to completion. (Requirement: Prerequisite course and senior standing in software engineering; may not be taken concurrently.) (Q) Prerequisites: CSE 4201.

Prerequisites by topic: Implement and use basic data structures, algorithmic paradigms, data processing algorithms

Place in program: Required.

Course outcomes & related student outcomes: The student will be able to

1. Plan, design, implement, and test a useful and robust software system. (4b: Satisfaction of requirements and 4a: Skillful software construction)
2. Function as productive members of a team. (8: Effective teamwork)
3. Describe their problem and solution to a range of audiences. (7: Communicate effectively)
4. Recognize the limitations of their undergraduate education and the need for continual learning. (9: Continually learn)

Topics covered:

1. Project presentation from faculty members (3 hours)
2. Discussion on guidelines for project plans and milestones (1 hour)
3. Project plan presentations by students (3 hours)
4. Project milestone presentation (9 hours)

Approved by: Phil Chan, Associate Professor & William Allen, Associate Professor

Signature: _Philip Chan_   **Date:** _1/30/15_

Signature: _____   **Date:** _2/5/2015_