CS 3750	Software Engineering II Fall Semester 2014

Instructor	Spencer Hilton Office: TE 110B Phone: 801-626-7616 E-mail: spencerhilton@weber.edu Office Hours: Mon/Wed, 9:30 am – 11:30 am; Mon, 3:00 pm – 4:00 pm
Classroom	TE 104
Days	Mon/Wed
Time	11:30 am – 1:20 pm
Texts	*None*
Goal	This course emphasizes teamwork in small groups on a substantial software engineering project that will be performed for a real customer in the community. It is the intent of the course to provide a capstone experience that integrates the material contained in the CS curriculum through work on a software project that applies this material. Projects are chosen so as to provide an interdisciplinary service learning component with project proposals being solicited from the community at large. Projects that integrate students and faculty from other disciplines are also encouraged. Lectures will be directed towards the software development lifecycle, requirements gathering and design documentation, as well as software project management. Each team member will contribute to all phases of the project as well as the development of a project prototype. Prerequisite: CS 2350, CS 2450, CS 2420, CS 3550, CS 3230 or CS 3280, and ENGL 3100 or ENGL 2250 or PHIL 1250 or NTM 3250.
Class	Class in the first half of the semester will consist of lectures and group projects. The second half of the semester will focus on work for the Final Project and Milestone Reports. Students are encouraged to participate and ask questions.
Attendance	Students are required to be in attendance for the first half of the semester before the Final Project Work begins and at all Milestone Report meetings throughout the rest of the semester. Each student will receive two days to use as personal days during the semester before they begin to incur penalties. Attendance will count for approximately 10% of the final grade.
Assignments	There will be a small number of group and individual assignments during the first half of the class. Specific instructions for these assignments will be given at least one week prior to the due date. Assignments will count for approximately 10% of the final grade.
Milestones	Each week, each group will meet briefly with the instructor to provide a report on the progress of their Final Project. Milestone reports will count for approximately 10% of the final grade.

Group Evaluation	There will be a number of group evaluations throughout the semester. You will be grade other group members, and you will be graded by the other members of your group. The group evaluation score will count for approximately 20% of the final grade.
Project	There will be a Final Project for the course. The instructions for the Final Project will be given as we approach the second half of the semester. The Final Project will then count for roughly 50% of the final grade.
Accommodations for disabilities	Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Service Center.
Grading	The final grade will be given based on points accumulated through exams and labs. Standard grading will apply: 94-100 A; 90-93 A-; 87-89 B+; 84-86 B; 80-83 B-; 77-79 C+; 74-76 C; 70-73 C-; 67-69 D+; 64-66 D; 60-63 D-; 59 or below E.

Tentative Class Schedule and Course Outline

Week of	Topic	Due
Aug 25 Week 1	Introduction Group Assignment #1 Work	
Sep 1 Week 2	**Labor Day – No Class (Sep 1nd)** Group Assignment #1 Work	
Sep 8 Week 3	Assignment Presentations Group Assignment #2 Work	Assignment #1 Due
Sep 15 Week 4	Agile Methodologies PluralSite Group Assignment #2 Work Group Assignment #2 Presentations	Assignment #2 Due
Sep 22 Week 5	Design Patterns Refactoring Maintainability Group Assignment #3 Work	
Sep 29 Week 6	Version Control Integration Hosting Group Assignment #3 Work	
Oct 6 Week 7	Group Assignment #3 Presentations Test Driven Development Final Project Teams Final Project Introduction	Assignment #3 Due
Oct 13 Week 8	Final Project Work	Milestone Report

Oct 20 Week 9	Final Project Work	Milestone Report
Oct 27 Week 10	Final Project Work	Milestone Report
Nov 3 Week 11	Final Project Work	Milestone Report
Nov 10 Week 12	Final Project Work	Milestone Report
Nov 17 Week 13	Final Project Work	Milestone Report
Nov 24 Week 14	Final Project Work	Milestone Report
Dec 1 Week 15	**Final Project Due (Dec 1)** Final Project Presentations	Final Project