CS 467 – Online Capstone Project

Credits: This course combines approximately 120 hours of instruction and programming work for 4 credits.

Catalog Description: Real-world team-based experience with the software engineering design and delivery cycle, including requirements analysis and specification, design techniques, and requirements and final project written documentation. For students in the online CS double-degree program only.

Terms Offered: Fall, Winter, Spring, Summer

Prerequisites: CS 361

Courses that require this as a prerequisite: none

Instructor: Ben Brewster

Course Content:
- Software design and delivery lifecycle activities
- Requirements engineering, requirements elicitation, requirements document
- Software architectures, distributed system architectures
- Object-oriented design, design patterns
- Project management
- Project report-writing

Learning Resources: None

Measurable Student Learning Outcomes:
At the completion of the course, students will be able to...
1. Design, plan, organize, synthesize and complete a significant software project.
2. Apply all aspects of the software engineering process, including project planning, requirements documents, software design, coding, testing, documentation, and delivery.
3. Validate designs and adjust the specification or design as necessary
4. Participate effectively in a team environment
5. Demonstrate good communication skills in the form of weekly reports and software-related documents.

Evaluation of Student Performance:
Choose Your Project: 10 points
Meet Your Team: 10 points
Create Project Plan: 50 points
Week #3 Progress Report: 5 points
Week #4 Progress Report: 5 points
Mid-Point Project Check: 25 points
Week #6 Progress Report: 5 points
Week #7 Progress Report: 5 points
Week #8 Progress Report: 5 points
Week #9 Progress Report: 5 points
Project Report: 35 points
Final Project Demonstration: 110 points
Total 270 points

Grades are then determined by score percentages:
92 ≤ A ≤ 100
90 ≤ A- < 92
88 ≤ B+ < 90
82 ≤ B < 88
80 ≤ B- < 82
78 ≤ C+ < 80
72 ≤ C < 78
70 ≤ C- < 72
68 ≤ D+ < 70
62 ≤ D < 68
60 ≤ D- < 62
0 ≤ F < 60

Students with Disabilities:
Accommodations for students with disabilities are determined and approved by Disability Access Services (DAS). If you, as a student, believe you are eligible for accommodations but have not obtained approval please contact DAS immediately at 541-737-4098 or at http://ds.oregonstate.edu. DAS notifies students and faculty members of approved academic accommodations and coordinates implementation of those accommodations. While not required, students and faculty members are encouraged to discuss details of the implementation of individual accommodations.

Link to Statement of Expectations for Student Conduct, i.e., cheating policies http://studentlife.oregonstate.edu/studentconduct/offenses-0