CSCI/ESOF 494: Senior Seminar
Spring 2012

Course Objective

Investigations in the Computer Science and Software Engineering fields. Students will report on their internship experience, present their senior design projects, and/or present their undergraduate research. Faculty and guest speakers will discuss current issues in computer science and software engineering. Students will take an exam covering their computer-related coursework. Students will demonstrate their ability to apply a computer-related code of ethics (ACM, IEEE, or SE). This is a required seminar for computer science and software engineering seniors. Prerequisite: Senior standing or Consent of Instructor.

Instructor

Keith Vertanen
kvertanen@mtech.edu
Museum 102, 496-4385
Office hours: Mon   3:00 – 4:00pm
                         Wed   2:00 – 3:00pm
                         Fri   3:30 – 4:30pm
                         or by appointment

Classes

Mon   4:00 - 5:00pm   Lecture   CBB 112

Resources

Class web page   http://katie.mtech.edu/classes/csci494/

Evaluation

A	90% - 100%	Attendance	30%
B	80% - 89%	Presentation	50%
C	70% - 59%	Assessment exam	20%
D	60% - 69%		
F	0% - 59%		

Assignments

Each registered student must make a 35-40 minute presentation about a Computer Science or Software Engineering topic of his or her choice. Preferred topics include senior design projects, undergraduate research projects, or technical aspects of student's internship. The instructor must approve topics. Students must choose a topic and schedule a seminar by the end of the third week of class. Registered students are required to attend all seminars. Grading criteria for the presentations are available on the CS department's website under Program Assessment.

Assessment exam
During finals week you will be required to take an assessment exam that will cover material from all of the required CS and SE courses. Taking the exam is part of the grade for this class, but scores on the exam will not affect your grade.

General
Any student who may need an accommodation due to a disability, please make an appointment to see me during my office hours. A letter from a Montana Tech Disability Coordinator authorizing your accommodations is needed.

Expectations
E1. The student is a senior in computer science or software engineering with a strong technical background to understand and participate in the seminars.

E2. The student plans to graduate either at the end of this semester or the falling fall semester.

Course Outcomes
R1. Students will demonstrate their ability to apply a computer-related code of ethics (ACM, IEEE, or SE). (CAC-e; EAC-f)

R2. Students made one 35 to 40 minute technical presentation on a topic related to their internship, senior design project, undergraduate research project, or area of personal interest. (CAC-f; EAC-g)

R3. Students attended seminars by faculty members concerning the need for professional development, historical perspectives, and societal issues relating to computer technology. (CAC-h; EAC-i, j)