

CS 4993: Seminar (1)

Catalog Description:

Written report and oral presentation of a topic relating to the social and ethical implications of computing.

Textbook: Selected papers from the literature.

Course Goals:

The primary goals associated with this class include:

- To revisit ethical and social issues in the computing profession and enable you to recognize and deal with ethical dilemmas in the workplace.
- To provide another opportunity for you to apply the oral and written communication skills developed in your degree program.

Prerequisites by Course & Topic

CS 2511: Software Analysis & Design – issues in software ethics and ability to work successfully on a team

COMM 1112: Public Speaking - oral communication skills

COMP 3130: Advanced Writing – technical writing and research skills

Major Topics Covered in the Course

- Computers and Privacy
- Computers and the Quality of Life
- Ethics and Electronic Commerce
- Biometric Authentication
- Knowledge Discovery and Data Mining
- Intelligent Agents: Ethical Issues and Dilemmas
- Computer Matching

Class/Laboratory Schedule: Lecture/Oral Presentations: 1 hour per week

Course Contribution to Program Objectives and Outcomes:

1. Recognize the types of ethical issues which can arise in the computing procession. (*g*)
2. Ability to work successfully on a team. (*e*)
3. Demonstrate effective oral and written communication. (*f*)

Estimate CSAB Category Content

	CORE	ADVANCED		CORE	ADVANCED
Data Structures			Computer Organization and Architecture		
Algorithms			Concept of Programming Languages		
Software Design					

Oral and Written Communications

Every student is required to submit at least 2 written reports (not including exams, tests, quizzes, or commented programs) of typically 1-2 pages and to make 1 oral presentations of typically 15 minutes duration. Include only material that is graded for grammar, spelling, style, and so forth, as well as for technical content, completeness, and accuracy.

The oral presentation is prepared in cooperation with other members of a panel who lead a panel discussion on a given ethical or social issue in computing.

Social and Ethical Issues

- Privacy (4 hours)
- Quality of Life (3 hours)
- Internet Issues (3 hours)
- Artificial Intelligence Issues (4 hours)

Grading: Essays and oral presentations

Coordinator/Prepared by: D. Crouch