COURSE DESCRIPTION

Dept., Number	CSci 300	Course Title	Social Responsibility in Computer Science
Semester hours	1	Course Coordinator	Yixin Chen, Assistant Professor

Current Catalog Description

Study of the nature of and need for social responsibility and ethical behavior in computing and the computer professions.

Textbook

Sara Baase, *A Gift of Fire: Social, Legal, and Ethical Issues in Computing*, 2nd Edition, Prentice Hall, 2003.

References

Class website: http://www.cs.olemiss.edu/~ychen/courses/CSCI300F06/

Course Outcomes

Upon successful completion of this course, the students:

1. understand social, legal, political, and economic issues related to computers,
2. can analyze the local and global impact of computing on individuals, organizations, and society,
3. are able to resolve issues they might face as a member of the society and in their professional lives.

Relationship between Course Outcomes and Program Outcomes

The course outcomes contribute to the program outcomes as follows: (1) to (e) and (f), (2) to (g) and (f), and (3) to (e) and (h).

Prerequisites by Topic

1. Intermediate programming concepts and skills (CSci 211)
2. Basic concepts of the architecture of computer systems (CSci 223)

Major Topics Covered in the Course

1. Privacy. (1 hour)
2. Encryption and interception of communications. (1 hour)
3. Constitutional issues (1 hour)
4. Reliability and safety (2 hours)
5. Freedom of speech in cyberspace (2 hours)
6. Intellectual property (2 hours)
7. Computer crime (1 hour)
8. Computers and work (1 hour)
9. Professional ethics and responsibilities (1 hour)

Assessment Plan for the Course

This is a core course offered every Fall semester. An offering typically has 10 quizzes and 1 term paper. Outcome 1 is assessed by Assessment Exam questions 1, 4, 5, 7, 9, 14, 18, 19, 20, 24, 25, 28 and the term paper, outcome 2 by Assessment Exam questions 2, 3, 6, 10, 11, 12, 13, 15, 21, 22, 23, 30 and the term paper, and outcome 3 by Assessment Exam questions 8, 16, 17, 21, 22, 23, 26, 27, 29.

How Data in the Course are Used to Assess Program Outcomes (unless adequately covered already in the assessment discussion under Criterion 4)

Five multiple choice questions from the Assessment Exam (13, 16, 20, 27, and 30) are used to assess program outcomes.

Estimate Curriculum Category Content (Semester hours)

Area	Core	Advanced	Area	Core	Advanced
Algorithms			Software design		
Data structures			Concepts of programming languages		