THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Social, Ethical, and Professional Issues in Computing

CSE 2501

Credit Hours:
1.00

Course Levels:
Undergraduate (1000-5000 level)

Course Components:
Lecture

Course Description:
Social, ethical, and professional issues facing computing professionals; ethical principles; discussion of case studies.

Prerequisites and Co-requisites:
Prereq: 2122, 2123, or 2231; and Gen Ed Writing: Level 2; and enrollment in CSE or CIS major, or Information Security minor.

Course Goals / Objectives:
- Be competent in the identification of social and ethical issues that arise in the development and application of computing technology in modern society
- Be competent in the appreciation for alternate points of view and broader perspectives in the analysis of social and ethical concerns arising in the context of computing technology
- Be familiar with the immediate and long-term implications to society in the creation and use of computing technology
- Be familiar with the local and global impacts and risks of computing solutions on individuals, organizations, and society.
- Be familiar with the impact of computing technology on the economy at large as well as long-term trends
- Be familiar with the codes of ethics of one or more professional societies related to computing technologies (e.g., ACM, IEEE, CISSP)
- Be familiar with effective methods of written and oral communication
- Be exposed to the distinction between a profession and a trade, and how this distinction relates to ethics and responsibility
- Be exposed to some legal issues that computing professionals may encounter as part of their practice

Course Topics:
- Professional ethics
- Effective communication
- Privacy / Civil liberties
- Security / Civil liberties
- Intellectual property
- Censorship
- Computer risks
- Computer crime
- Global perspectives

Designation:
Required