

COT 4935 Senior Seminar

1. **Credits:** 1

2. **Text book, title, author, and year:** Engineering Ethics, Fourth Edition by Charles B. Fleddermann, Prentice Hall, 2012
 - a. **Supplemental materials:** Computers, Ethics and Society, third Edition, Edited by David Ermann and Michele Shauf, Oxford University Press, 2003.

3. **Specific course information**
 - a. **Course descriptions:** Discussion of appropriate topics, with an emphasis on social and ethical aspects of computing.
 - b. **Prerequisite:** Senior standing
 - c. **Required, elective, or selected elective:** Core for both computer Science and computer Engineering majors

4. **Specific goals for the course**
 - a. **Specific outcomes of instruction:** The students will gain an understanding of social issues, ethics and legal issues relating to computing. To improve the communication and work as a team, the students have to present on a topic relating to social, ethics and legal issues in front of the class as well as submit a team written report.

5. **Brief list of topics to be covered**
 - Rules, guideline and teaming
 - Effective technical presentation
 - IP (Intellectual Property)
 - Video game and violence
 - Impact of Social Media (FB and Twitter, etc)
 - The pros and cons of transhumanism and the ethical aspects
 - International Patent and Copyright
 - Online Piracy
 - Gun control (Also another hot issue and is currently debating in Congress)
 - Ethics of Artificial Intelligence
 - Encryption and interception of communications
 - Computer Hacking
 - Freedom of Speech (Hot issue about FAU professor)