

**Engineering Ethics and Societal Impact
ESE 301**

State University of New York at Stony Brook
Spring 2017

Instructor: Donna L. Tumminello, BSEE, MBA
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Office Hours: Tuesday and Thursday 12:00 PM – 1:00 PM

Course Prerequisite: U3 or U4 standing

There are three forms of participation required:

- On-line and traditional lecture
- Class projects as assigned
- Mid-term / Final reports and presentations

Course Readings: Engineering Ethics: Fourth Edition

Lecture Time: Tuesday and Thursday 8:30 AM – 9:50 AM

Location: TBD

Course Description:

The study of ethical decisions confronting individuals and organizations in engineering and science. Related questions about moral conduct, character, ideals, and relationships of people and organizations involved in technical development are discussed. Ethics codes for engineers, computer scientists, and natural scientists are covered. Includes topics in law such as negotiation, antitrust, misappropriation, espionage, electronic communication privacy, computer fraud and abuse, reverse engineering, ownership and enforcement of patents and trademarks, and export controls.

Course Objectives:

Students will develop an awareness of ethical challenges they will face during their careers and will be prepared to respond appropriately using moral decision making processes. Exposure to intellectual property law and valuation of intellectual property rights.

Course Assessment:

Class participation, 20%

Mid-term report & presentation, 40%

Final report & presentation, 40%

NOTE:

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact Disability Support Services at (631) 632-6748 or <http://studentaffairs.stonybrook.edu/dss/>. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the following website: <http://www.sunysb.edu/ehs/fire/disabilities.shtml>

