



Stony Brook University

Department of Technology & Society

EST 202 - 01

Introduction to Science, Technology, and Society Studies (90331)

Prerequisites: None

Monday, Wednesday, Friday 10:00AM - 10:53AM

MELVILLE LBR W4525 WESTCAMPUS

Instructor: Todd L. Pittinsky

Email: todd.pittinsky@stonybrook.edu

Website: www.stonybrook.edu/commcms/est/people/core_faculty/tpittinsky

Office Hours: Monday 12 pm – 3 pm

Office Location: Computer Science (Old) 1417

Course Description

The dynamics of the relations among modern science, the development and use of technology through engineering, and social concerns. Introduces basic concepts for science-technology studies. Ethical and policy issues that affect the management of science and engineering as expressed in technology are covered.

Learning Objectives

1. Understand building block concepts and relationships in the study of modern science, technology, and society (STS).
2. Survey a range of specific subfields of study in STS.
3. Appreciate basic ethical and policy considerations in STS.

Class Readings

Please see *Semester Schedule*.

Grading

- 25% *Response Memos* (you choose 8 topics over the semester, more if you like, choosing from those meetings with an *)
- 25% Group Project
- 25% Critical Book Review
- 25% Class attendance *and* participation

Semester Schedule

<i>Week</i>	<i>Monday</i>	<i>Wednesday</i>	<i>Friday</i>
M 8/26, W 8/28, F 8/30		Course Overview	Introduction to Science, Technology, and Society
M 9/2, W 9/4, F 9/6	No meeting (Labor Day)	<i>Response Memos</i> Overview	Agriculture, Food, and Technology*
M 9/9, W 9/11, F 9/13	Artificial Intelligence*	Atomic Age*	<i>Critical Book Review</i> Overview
M 9/16, W 9/18, F 9/20	Catch up lecture	Biological Terrorism*	Clones and Cloning*
M 9/23, W 9/25, F 9/27	Gender, Race, Class, and Technology*	Government, Science, and Technology*	Group Project Overview and Exercise
M 9/30, W 10/2, F 10/4	No meeting – Project group optional time	Humanities and Technology*	Large-Scale Technological Systems *
M 10/7, W 10/9, F 10/11	Law and Technology *	No meeting – Project group optional time	New Media*
M 10/14, W 10/16, F 10/18	No meeting (Fall Break)	Professions and Professional Responsibilities*	Project groups meet in class
M 10/21, W 10/23, F 10/25	Psychology of New Technologies (1/2)*	Psychology of New Technologies (2/2)* <i>Can machines be conscious?</i>	Project groups meet in class
M 10/28, W 10/30, F 11/1	Public Understanding of Science and Technology*	Religion, Science, and Technology*	Project groups meet in class
M 11/4, W 11/6, F 11/8	Replication and Replication Crises*	Robots and Society (1/2)*	Project groups meet in class
M 11/11, W 11/13, F 11/15	Robots and Society (2/2)*	Project groups meet in class	Project groups meet in class
M 11/18, W 11/20, F 11/22	Science Policy (United States)*	Science Policy (Global Perspectives)*	PROJECT GROUPS PRESENT (1/2)
M 11/25, W 11/27, F 11/29	PROJECT GROUPS PRESENT (2/2)	No meeting (Thanksgiving Break)	No meeting (Thanksgiving Break)
M 12/2, W 12/4, F 12/6	In Class Exercise (1/2)	In Class Exercise (2/2)	Ethics and STS
M 12/9	Looking Forward		

Notes:

1. Meetings in **orange highlight** relate to our group projects. Group projects will be overviewed, and groups formed in-class on Friday 9/27.
2. Classes with * have readings and/or podcasts and/or videos to be reviewed for that class. These will be available as hyperlinks or PDF's on Blackboard.
3. Response Memos are due at, or before, the start of a class, via Blackboard. Late memos can be accepted, but are not eligible for full credit.
4. Your *Critical Book Review* is due on or before December 15th via Blackboard.

Student Accessibility Support Center Statement

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Student Accessibility Support Center, ECC (Educational Communications Center) Building, Room 128, (631)632-6748. They will determine with you what accommodations, if any, 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 Student Accessibility Support Center. For procedures and information go to the following website: <http://www.stonybrook.edu/ehs/fire/disabilities>.

Academy Integrity Statement

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty is required to report any suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (School of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty please refer to the academic judiciary website at http://www.stonybrook.edu/commcms/academic_integrity/index.html

Critical Incident Management

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of University Community Standards any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and the School of Medicine are required to follow their school-specific procedures. Further information about most academic matters can be found in the Undergraduate Bulletin, the Undergraduate Class Schedule, and the Faculty-Employee Handbook.