



Science, Technology and Society

2012 Spring Course Offerings

Director: Professor Steve Cutcliffe

STS/HIST 145 Introduction to the History of Science Professor Steven Goldman

(4 credits; CRN 17237) TR 10:45 – 12:00 The history of modern science, primarily physical and biological, with emphasis on the development of major theoretical models since the seventeenth century.

STS 181 Independent Study Professor Stephen Cutcliffe (1-4 credits; CRN 10748) Consent of the program director required.

STS/ASIA/HIST/MLL 195 Explorations - History of Chinese Science and Tech. Professor David Pankenier

(4 credits; CRN 17155) R 1:10 – 4:00 Survey of China's scientific and technical achievements in their cultural and historical context. From printing, paper, gunpowder, the magnetic compass, the seismograph, cast iron, steel, porcelain, silk, equal temperament in music, all the way to inoculation against smallpox, bean curd, and noodles -- all were Chinese discoveries. Historically, the source of most of these discoveries was unknown to the West, where some, had the profoundest historical implications.

STS/CSE 252 Computers, Internet & Society Professor TBD

(3 credits; CRN 11007) TR 9:20 – 10:35 An interactive exploration of the current and future role of computers, the Internet, and related technologies in changing the standard of living, work environments, society and its ethical values. Privacy, security, depersonalization, responsibility, and professional ethics; the role of computer and Internet technologies in changing education, business modalities, collaboration mechanisms, and everyday life.

STS/HMS/JOUR 323 Health & Environmental Controversies Professor Sharon Friedman

(4 credits; CRN 15801) TR 10:45 – 12:00 Exploration of health, and environmental controversies from the perspectives of scientific uncertainty and mass media coverage. Examines genetic engineering, biotechnology, environmental health risks, and nanotechnology. Includes discussion of ethical and social responsibilities and interactions with the public.

STS 381 Senior Seminar Professor Stephen Cutcliffe

(4 credits; CRN 16132) In-depth study of selected topics in science, technology, and society with special attention to methodological issues. Subject matter may vary from semester to semester. Intended for STS majors and minors, but open to others. Prerequisite: STS 11 or consent of program director.

STS/ES 397 Sustainable Development Project Professors Stephen Cutcliffe, Richard Weisman, & Donald Morris

(3 credits; CRN 16600) Students work in small teams on sustainable development research projects. Continuation of Sustainable Development: Project and Practice.

Additional Course Offerings (please refer to the [Course Catalog](#) for descriptions)...

- **HIST 008 Technology in Modern America** (4 credits; CRN 17463) MW 12:45-2:00 Professor J. Smith
- **PHIL 128 Philosophy of Science** (4 credits; CRN 15371) TR 9:20-10:35 Professor S. Goldman
- **ARCH/HIST 107 History of American Architecture** (4 credits; CRNs 14926/17319) TR 10:45-12:00 Professor J. Thomas
- **ARCH/THTR 161 Performance Arts Venues, Design & Tech.** (4 credits; CRNs 17026/17025) TR 10:45-12:00 Professor J. Milet
- **ARCH 210 20th Century Architecture** (4 credits; CRN 10186) MW 11:10-12:25 Professor H. Jung
- **EES 004 Science of Environmental Issues** (1 credit; CRNs vary by section) Professor B. Hargreaves
 - **Section 60** CRN 14366 M 11:10-12:25
 - **Section 61** CRN 4372 W 11:10-12:25
 - **Section 62** CRN 14374 F 1:10-2:25
- **ES 001 Introduction to Environmental Studies** (4 credits; CRN 16119) TR 9:20-10:35 Professor M. King
- **ES/HIST 315 American Environmental History** (4 credits; CRNs 16632/16628) WF 11:10-12:25 Professor S. Cutcliffe
- **ES/POLS 355 Environmental Justice & the Law** (4 credits; CRNs 17205/17208) M 4:10-7:00 Professor B. Holland
- **ES/POLS 375 Seminar: Green Polity** (4 credits; CRNs 17429/16870) R 4:10-7:00 Professor A. Wurth
- **PHIL/REL 116 Bioethics** (4 credits; CRNs 12792/12793) MW 11:10-12:25 Professor D. Davis
- **REL/WS 008 Prehistoric Religion, Art & Technology** (4 credits; CRNs 16520/16521) TR 10:45-12:00 Professor N. Girardot
- **ENGL/ES 395 Environmental Imagination** (4 credits; CRNs 17427/17210) TR 10:45-12:00 Professor E. Lotto This writing course will explore what it means to have an environmental imagination, with special attention to the way natural places nurture and shape our ideas and actions. Students will write about the natural places we find most important to us and also about how we should treat these places. Reading include Thoreau on building a cabin, Abbey on living in the desert, and McKibben on deep economy. A weekend spent writing at a camp in the Poconos. This is a course for those who value natural places and want to write and read their way to a better understanding of the interconnections within the natural world. **WRITING INTENSIVE. DEPARTMENT APPROVAL REQUIRED.**
- **POLS/ES 396 Global Energy Policy & Politics** (4 credits; CRNs 15384/16777) T 4:10-7:00 Professor M. King This course serves as an introduction to energy policy in the U.S. and also explores global attempts to solve energy problems. Will examine different types of energy sources & uses, different ideological paths driving energy policy, the environmental impacts of energy use, current global & domestic attempts to solve energy problems, & the role of renewable & alternative forms of energy in future energy policy.