



Science, Technology and Society

2015 Spring Course Offerings

Director: Professor Steve Cutcliffe

STS, HMS, HIST 118-10 History of Modern Medicine CRN 17735 4 credits (HU)

Introduction to Western medical history from the 18th century to the present day. Students will explore patient/practitioner relationships, examine changing ideas concerning health, sickness, and disease, chart changes in hospital care and medical education, and tackle topics such as eugenics, medical experimentation, and health insurance. **Professor Smith**
T,TR; 10:45 - 12:00 p.m.

STS, HIST 145-10 Introduction to the History of Science CRN 19475 4 credits (SS)

The history of modern science, primarily physical and biological, with emphasis on the development of major theoretical models since the seventeenth century. **Professor Goldman** On-line

STS 181 Independent Study 1-4 credits (HU / SS)

Section 10 - CRN 10748 Professor Cutcliffe
Section 11 - CRN 17908 Professor Best
Section 12 - CRN 18900 Professor Goldman
Prerequisite: consent of the program director.

STS, CSE, EMC 252-10 Computers, the Internet, and Society CRN 11007 3 credits (SS)

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. **Professor Crane** T,TR; 2:35 - 3:50 p.m.

STS 381-10 Senior Seminar CRN 16132 4 credits (SS)

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. **Professor Cutcliffe**

STS 392-10 Honors Thesis CRN 18901 3 credits (ND)

Directed undergraduate research thesis required of students who apply and qualify for graduation with program honors. Prerequisite: STS 391, or concurrent with STS 392. **Professor Cutcliffe**

STS, ES, HIST 398-10 Topics in Envirotechnical History CRN 19468 4 credits (SS)

The intersection between humanity's technological attempts to control nature, resulting impacts upon the environment, and the ways nature influences and constrains society. Case studies include water power and energy systems, urban growth and suburban sprawl, and agriculture and animals as machines. **Professor Cutcliffe** T,TR; 2:35 - 3:50 p.m.

ARCH 107-10 History of American Architecture CRN 14926 4 credits (HU)

Survey of American building from European colonization to the present. **Professor Thomas** T,TR; 10:45 - 12:00 p.m.

ARCH 210-10 20th Century Architecture CRN 10186 4 credits (HU)

History and theories of modern and contemporary architecture. Analysis of buildings, architects, theories and manifestos from the early 20th century to the present. **Professor Jung** T,TR; 9:20 - 10:35 a.m.

ES 001-10 Introduction to Environmental Studies CRN 16119 4 credits (SS)

Gateway to the field of Environmental Studies, the course surveys central issues and themes confronting humanity in the natural world on a national and global basis. Topics include humankind's role in environmental change; society's response to the dynamism of nature; cultural evaluations of nature; population dynamics; resource availability and pollution sinks; land use patterns; sustainability and consumerism; environmental justice and ethics; policy and planning. This course fulfills a social science credit requirement. Please select ES 002 to fulfill the natural science requirement. **Professor Casagrande** T,TR; 9:30 - 10:35 a.m.

For information on the STS program, please visit our web site at...
sts.cas2.lehigh.edu

STS major and minor declaration forms are available in Maginnes Room 490, *Office of Interdisciplinary Programs*.



ES, EES 004 The Science of Environmental Issues 1 credits (*NS*)

Section 60 CRN 14364 M; 11:10 - 12:25 p.m.

Section 61 CRN 14369 F; 1:10 – 2:25 p.m.

Section 62 CRN 14373 W; 11:10 – 12:25 p.m.

Analysis of current environmental issues from a scientific perspective. The focus of the course will be weekly discussions based on assigned readings. Pre- or co-requisite: introductory-level course in EES. **Staff**

ES, POLS 105-10 Environmental Policy and Planning CRN 19296 4 credits (*SS*)

Analysis of the framework that has been established to protect the environment and promote sustainable growth. Focus on the roles of the different branches of the U.S. government and the relative responsibilities of state and local governments within this framework. Consideration of the political nature of environmental issues and the social forces influencing environmental protection in different areas of domestic environmental policy, such as climate change, toxic waste disposal, and natural resources conservation. **Professor Holland** M,W; 12:45 - 2:00 p.m.

ES, IR 333-10 International Environmental Law & Policy CRN 17646 4 credits (*SS*)

This course examines the basic international legal setting for the protection and management of the global environment. It examines how international law concerning nature is made and applied, the role of international environmental regimes or institutions, enforcement strategies, and compliance mechanisms. Emphasis will be placed on a review of various regulatory regimes for the protection of the global commons, including the history and legal sources of the Global Climate Change Convention. **Professor Gillroy** T; 4:10 - 7:00 p.m.

PHIL, REL, HMS 116-10 Bioethics CRN 18285 4 credits (*HU*)

Moral issues that arise in the context of health care and related biomedical fields in the United States today, examined in the light of the nature and foundation of moral rights and obligations. Topics include: confidentiality, informed consent, euthanasia, medical research and experimentation, genetics, and the distribution of health care. **Professor Schmidt** M,W; 12:45 - 2:00 p.m.