HISTORY OF SCIENCE (HIST SCI)

HIST SCI/ENVIR ST/HISTORY 125 — GREEN SCREEN: ENVIRONMENTAL PERSPECTIVES THROUGH FILM
3 credits.

From Teddy Roosevelt’s 1909 African safari to the Hollywood blockbuster King Kong, from the world of Walt Disney to The March of the Penguins, cinema has been a powerful force in shaping public and scientific understanding of nature throughout the twentieth and twenty-first century. How can film shed light on changing environmental ideas and beliefs in American thought, politics, and culture? And how can we come to see and appreciate contested issues of race, class, and gender in nature on screen? This course will explore such questions as we come to understand the role of film in helping to define the contours of past, present, and future environmental visions in the United States, and their impact on the real world struggles of people and wildlife throughout the world.

Requisites: None

Course Designation: Breadth - Either Humanities or Social Science
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2017

HIST SCI/MED HIST 133 — BIOLOGY AND SOCIETY, 1950 - TODAY
3 credits.

From medical advancements to environmental crises and global food shortages, the life sciences are implicated in some of the most pressing social issues of our time. This course explores events in the history of biology from the mid-twentieth century to today, and examines how developments in this science have shaped and are shaped by society. In the first unit, we investigate the origins of the institutions, technologies, and styles of practice that characterize contemporary biology, such as the use of mice as “model organisms” for understanding human diseases. The second unit examines biological controversies such as the introduction of genetically modified plants into the food supply. The final unit asks how biological facts and theories have been and continue to be used as a source for understanding ourselves.

Requisites: None

Course Designation: Breadth - Either Humanities or Social Science
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI 180 — FRESHMAN HONORS SEMINAR: HISTORY OF SCIENCE, TECHNOLOGY AND MEDICINE
3 credits.

Introduction to the history of science, technology and medicine through in-depth examination of a specific theme or topic.

Requisites: Open to Fr only or with cons inst

Course Designation: Breadth - Humanities
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Honors - Honors Only Courses (H)
Repeatable for Credit: No
Last Taught: Fall 2016

HIST SCI 201 — THE ORIGINS OF SCIENTIFIC THOUGHT
3 credits.

Emergence of scientific method and scientific modes of thought out of ancient philosophical and religious traditions; the impact of ancient science on medieval Christendom; the origins and development of the Copernican-Newtonian world view. Not open to stdts who have taken ILS 201 or Hist Sci 323, except by cons inst

Requisites: Open to Fr.

Course Designation: Breadth - Humanities
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2017

HIST SCI 202 — THE MAKING OF MODERN SCIENCE
3 credits.

Major trends and developments in the sciences from the 17th century to the early 20th century. Emphasis on those with broad cultural and social implications. Open to Fr

Requisites: Not open to stdts who have had Hist of Sci 204.

Course Designation: Breadth - Humanities
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI 203 — SCIENCE IN THE TWENTIETH CENTURY: A HISTORICAL OVERVIEW
3 credits.

Major themes in the physical, biological and environmental sciences from 1890 to the present, with attention to conceptual development, interaction of science and society, philosophical issues, and personalities in science.

Requisites: None

Course Designation: Breadth - Either Humanities or Social Science
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2014
HIST SCI/ASTRON 206 — HISTORY OF ASTRONOMY AND COSMOLOGY
3 credits.

The development of astronomical knowledge and cosmological views from the earliest times to the present, viewed in their social, philosophical, and technological contexts.

Requisites: So st
Course Designation: Breadth - Humanities
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2017

HIST SCI/MED HIST 212 — BODIES, DISEASES, AND HEALERS: AN INTRODUCTION TO THE HISTORY OF MEDICINE
3 credits.

A survey of different conceptions of how the body as a site of sickness has been understood from Antiquity to contemporary medicine. Includes consideration of the origins and evolution of public health, the changing social role of healers, and the emergence of the modern "standardized" body in health and illness. For honors credit consent required in Hist Sci/ Hist Med 284 or consent of instructor.

Requisites: Open to Freshmen.
Course Designation: Breadth - Humanities
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2017

HIST SCI/MED HIST 218 — HISTORY OF TWENTIETH CENTURY AMERICAN MEDICINE
3 credits.

This undergraduate lecture course introduces students to the development of the modern American medical care system.

Requisites: None
Course Designation: Breadth - Social Science
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2015

HIST SCI 222 — TECHNOLOGY AND SOCIAL CHANGE IN HISTORY
3 credits.

Topics in the history of technology of interest to students in engineering and physical sciences. Themes include the social basis of technical change, the impact of technology on everyday life, and ethical issues in technology in the last two centuries.

Requisites: None
Course Designation: Breadth - Humanities
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI/C&E SOC 230 — AGRICULTURE AND SOCIAL CHANGE IN WESTERN HISTORY
3 credits.

Agricultural practices and social history from prehistoric times to the present. Topics include origins of agriculture, feudalism, agriculture in the Industrial Revolution, farming in America, and the consequences of the Green Revolution.

Requisites: None
Course Designation: Breadth - Either Humanities or Social Science
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI 250 — SPECIAL TOPICS IN HISTORY OF SCIENCE (INTRODUCTORY)
3 credits.

Special topics in the history of science, medicine, and technology, aimed for students at the introductory (fresh-soph) level.

Requisites: None
Course Designation: Breadth - Humanities
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions

HIST SCI/AFROAMER/MED HIST 275 — SCIENCE, MEDICINE, AND RACE: A HISTORY
3 credits.

Surveys the medical and scientific constructions of categories of race, placing the development of racial theories in a broad social and political context. The course will pay particular attention to the importance of racial science in slavery and colonialism.

Requisites: None
Course Designation: Ethnic St - Counts toward Ethnic Studies requirement
Breadth - Either Humanities or Social Science
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI 280 — HONORS SEMINAR: STUDIES IN SCIENCE, TECHNOLOGY, MEDICINE
3 credits.

Intensive exploration of issues in the history of science. Emphasis on developing critical thinking about science through formal and informal writing. Open to non-honors stdts with cons inst. Open to Fr

Requisites: Communications Requirement Part A must be satisfied.
Course Designation: Gen Ed - Communication Part B
Breadth - Humanities
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Honors - Honors Only Courses (H)
Repeatable for Credit: No
Last Taught: Fall 2017
HIST SCI/MED HIST 284 — PHYSICIAN IN HISTORY (HONORS)
1 credit.
Honors course for students enrolled concurrently for honors in History of Science 212. Open to non-honors students with consent of instructor. Open to Fr
Requisites: Con reg for honors in Hist Sci/ Hist Med 212 or cons inst.
Course Designation: Breadth - Humanities
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Honors - Honors Only Courses (H)
Repeatable for Credit: No
Last Taught: Fall 2015

HIST SCI 286 — HONORS SEMINAR: STUDIES IN SCIENCE, TECHNOLOGY, MEDICINE
3 credits.
Intensive exploration of issues in the history of science. Emphasis on developing critical thinking about science through discussion of readings and written exercises. Open to non-honors students with cons inst.
Requisites: Open to Fr
Course Designation: Breadth - Humanities
Level - Elementary
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Honors - Honors Only Courses (H)
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2017

HIST SCI/ECON 305 — DEVELOPMENT OF ECONOMIC THOUGHT
3-4 credits.
Development of economic thought from the middle ages to the present; emphasis on major schools of thought including Classical, Marxist, Neo-Classical, and Keynesian schools.
Requisites: Any two intro econ courses or cons inst
Course Designation: Breadth - Social Science
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2017

HIST SCI/MEDIEVAL 322 — ANCIENT AND MEDIEVAL SCIENCE
3 credits.
Scientific ideas and institutions from the beginnings of Greek philosophy to the Renaissance. Grads must enroll concurrently in Hist Sci 622
Requisites: Jr st or cons inst.
Course Designation: Breadth - Humanities
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI/HISTORY 323 — THE SCIENTIFIC REVOLUTION: FROM COPERNICUS TO NEWTON
3 credits.
An introduction to the formative period of modern science, including major ideas and events in the physical and life sciences from Copernicus to Newton. Grads enroll concurrently in Hist Sci 623
Requisites: Jr st or cons inst.
Course Designation: Breadth - Humanities
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2017

HIST SCI/HISTORY 324 — SCIENCE IN THE ENLIGHTENMENT
3 credits.
Development and triumph of Newton’s gravitational law; the conceptual revolution in chemistry; earth history and the move from religious to natural cosmologies. 4th credit requires extra work.
Requisites: Jr st
Course Designation: Breadth - Humanities
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2016

HIST SCI 325 — HISTORY OF PHYSICS: THE CLASSICAL PERIOD
3 credits.
Major themes in the development of physics in the eighteenth and nineteenth centuries.
Requisites: Jr st
Course Designation: Breadth - Humanities
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2011

HIST SCI 326 — HISTORY OF PHYSICS: THE MODERN PERIOD
3 credits.
Major themes in the development of physics in the twentieth century.
Requisites: Jr st
Course Designation: Breadth - Humanities
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI/MED HIST/RELIG ST 331 — SCIENCE, MEDICINE AND RELIGION
3-4 credits.
Science, medicine and religion from antiquity to the present, with emphasis on Western civilization.
Requisites: Jr st and cons inst
Course Designation: Breadth - Humanities
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2011
HIST SCI/MED HIST 333 — HISTORY OF MODERN BIOLOGY
3 credits.
Survey of major developments in biology and related sciences ca. 1700-1950. Topics include morphology and embryology; evolutionary theory, ecology, and genetics; physiology and recent experimental biology.
**Requisites:** Jr st or cons inst
**Course Designation:** Breadth - Humanities
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Grad 50%:** Counts toward 50% graduate coursework requirement
**Repeatable for Credit:** No
**Last Taught:** Fall 2015

HIST SCI 337 — HISTORY OF TECHNOLOGY
3 credits.
A survey of Western technology within its social and cultural context during the past 1000 years. Topics include technology in European expansion, the industrial revolution, and the rise of the United States as a technological superpower. Grads must enroll concurrently in Hist Sci 637.
**Requisites:** Jr st or cons inst.
**Course Designation:** Breadth - Humanities Level - Advanced
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Repeatable for Credit:** No

HIST SCI 339 — TECHNOLOGY AND ITS CRITICS SINCE WORLD WAR II
3 credits.
Examines expert and popular criticism of technology from World War II to the present. Topics include atomic fallout, consumer society, Ralph Nader's critique of auto safety, environmentalism, the movement against nuclear power, critics in the counterculture, and appropriate technology. Grad stdts must enroll concurrently in Hist Sci 639.
**Requisites:** Jr st or cons inst.
**Course Designation:** Breadth - Either Humanities or Social Science Level - Advanced
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Repeatable for Credit:** No
**Last Taught:** Spring 2013

HIST SCI 343 — THE DARWINIAN REVOLUTION
3 credits.
Scientific, social, religious and related dimensions of the evolution hypothesis from predarwinian speculation and Darwin's own work to later support, criticism and continuing investigation. Coverage reaches into the twentieth century.
**Requisites:** Jr st or cons inst.
**Course Designation:** Breadth - Humanities Level - Advanced
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Repeatable for Credit:** No
**Last Taught:** Fall 2017

HIST SCI 350 — SPECIAL TOPICS IN THE HISTORY OF SCIENCE
2-3 credits.
**Requisites:** So honors or Jr st
**Course Designation:** Breadth - Humanities
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Repeatable for Credit:** Yes, unlimited number of completions
**Last Taught:** Spring 2018

HIST SCI/ENVIR ST 353 — HISTORY OF ECOLOGY
3 credits.
The development of the science of ecology and related scientific issues and social attitudes, with a primary emphasis on developments from the late nineteenth century to the present.
**Requisites:** Jr st or cons inst
**Course Designation:** Breadth - Humanities Level - Intermediate
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Repeatable for Credit:** No
**Last Taught:** Spring 2015

HIST SCI/ENVIR ST/RELIG ST 356 — ISLAM, SCIENCE & TECHNOLOGY, AND THE ENVIRONMENT
3-4 credits.
Survey of Muslim religious understandings of science, technology, nature and environment. Lectures and readings present a global perspective through case studies, covering sources such as the Qur'an, theology and law, and traditions of esoteric piety (mysticism), and historical and contemporary issues like medical ethics, virtual realities, and environmental change, challenge and crisis.
**Requisites:** Sophomore standing
**Course Designation:** Breadth - Humanities Level - Intermediate
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Repeatable for Credit:** No

HIST SCI/HISTORY/MED HIST 394 — SCIENCE IN AMERICA
3 credits.
From the colonial period to the present; emphasis on the development of scientific institutions and the influence of science on American life.
**Requisites:** Jr st or cons inst
**Course Designation:** Breadth - Humanities
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Grad 50%:** Counts toward 50% graduate coursework requirement
**Repeatable for Credit:** No
**Last Taught:** Spring 2017

HIST SCI/S&A PHM 401 — HISTORY OF PHARMACY
2 credits.
Pharmaceutical field, from antiquity to modern medical care; professional; structuring in principal countries of the West.
**Requisites:** Junior standing
**Course Designation:** Breadth - Humanities Level - Intermediate
**L&S Credit:** Counts as Liberal Arts and Science credit in L&S
**Repeatable for Credit:** No
HIST SCI/GEN&WS/ MED HIST 431 — CHILDBIRTH IN THE UNITED STATES
3 credits.
American women’s childbirth experiences from the colonial period to the present. Childbirth as a cultural as well as a biological event. Basic physiological information for understanding and evaluating changing approaches to pregnancy and childbirth.
Requisites: Women St 103 or 430 or equiv; or cons inst
Course Designation: Breadth - Social Science
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2017

HIST SCI/MATH 473 — HISTORY OF MATHEMATICS
3 credits.
An historical survey of the main lines of mathematical development.
Requisites: Consent of instructor
Course Designation: Breadth - Either Humanities or Natural Science
Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI/HISTORY/MED HIST 504 — SOCIETY AND HEALTH CARE IN AMERICAN HISTORY
3 credits.
Lecture-seminar. Health care in America since the colonial period; emphasis on social developments.
Requisites: Jr st cons inst
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2016

HIST SCI/HISTORY/MED HIST 508 — HEALTH, DISEASE AND HEALING II
3-4 credits.
Medicine in Europe from the 18th century to mid-20th century, investigating changes in disease and demography, state interest in health care, the medical professions, and both scientific and alternative medical ideas.
Requisites: Jr st
Course Designation: Breadth - Humanities
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI/MED HIST 509 — THE DEVELOPMENT OF PUBLIC HEALTH IN AMERICA
3 credits.
Seminar. Health problems in the U.S. from the colonial period to the twentieth century; efforts made toward their solutions.
Requisites: Jr st cons inst
Course Designation: Breadth - Biological Sci. Counts toward the Natural Sci req
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2017

HIST SCI 512 — GALILEO GALILEI: LIFE, WRITINGS, AND INTERPRETATIONS
3-4 credits.
Galileo’s life and writings in political and cultural context. Special attention to the theory of motion, telescopic discoveries, condemnation by the Inquisition (including primary documents), and to contrasting interpretations of his work, motivations, and contributions.
Requisites: So honors or Jr st
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2012

HIST SCI/ENVIR ST/MED HIST 513 — ENVIRONMENT AND HEALTH IN GLOBAL PERSPECTIVE
3 credits.
Explores the historical relationships between environmental change and human health from the 17th through the 20th century. Topics include colonialism and disease, medical geography, urban pollution and reform, workplace hazards, environmental risk, and the anti-toxics and environmental justice movements.
Requisites: Jr st
Course Designation: Breadth - Either Humanities or Social Science
Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Spring 2016
HIST SCI/GEOSCI 514 — HISTORY OF GEOLOGIC THOUGHT
3 credits.

Major concepts from earliest to modern times.

**Requisites:** Sr st, GEOSCI 100 or 101 204 or cons inst

**Course Designation:** Breadth - Humanities

**Level - Intermediate**

L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2016

HIST SCI/AFROAMER/MED HIST 523 — RACE, AMERICAN MEDICINE AND PUBLIC HEALTH
3 credits.

The course will provide historical perspectives on current dilemmas facing black patients and health care professionals.

**Requisites:** Jr or Sr st

**Course Designation:** Ethnic St - Counts toward Ethnic Studies requirement

**Breadth - Social Science**

L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2017

HIST SCI/GEN&WS/MED HIST 524 — THE MEDICAL HISTORY OF SEX AND SEXUALITY
3 credits.

Examines the changing place of medicine and scientific authority in public and private sexual lives. Highlights the role of medicine in defining appropriate sexual behavior, understanding the cause of sexual deviance, and treating sexual problems and diseases.

**Requisites:** Prev history (incl med hist hist sci) crse preferred

**Course Designation:** Breadth - Humanities

**Level - Intermediate**

L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2009

HIST SCI/ENGL/MED HIST 525 — HEALTH AND THE HUMANITIES
3 credits.

Explores how a humanistic perspective can broaden our understanding of health and medicine. Specifically, we will examine the role of language and culture in the creation and circulation of biomedical knowledge; our lived experiences with illness (physical and mental); the intricate intersections of race, gender, sexuality, disability and medicine; the political dimensions of diagnosis, disease, and epidemics, and the role that fiction, creative non-fiction, comics, and film play in shaping our experiences with health and medicine as health care providers and as patients. The course does not assume any background in science or medicine. One of our recurrent topics, in fact, will be to consider how non-experts interact with medicine and its technical vocabularies. Although the primary objective of the course is to understand the cultural, social, and political dimensions of health and medicine, a secondary objective is for students to become more savvy patients and, for the few students who might emerge on the other side of the stethoscope one day, more well rounded health care professionals.

**Requisites:** Declared in the Health and the Humanities certificate

**Course Designation:** Breadth - Humanities

**Level - Advanced**

L&S Credit - Counts as Liberal Arts and Science credit in L&S

**Repeatable for Credit:** No

HIST SCI/GEN&WS/MED HIST 531 — WOMEN AND HEALTH IN AMERICAN HISTORY
3 credits.

Women as patients and as health professionals in America from the colonial period to the present.

**Requisites:** Jr st cons inst

**Course Designation:** Breadth - Biological Sci. Counts toward the Natural Sci req

**Level - Intermediate**

L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Fall 2015

HIST SCI/GEN&WS/MED HIST 532 — THE HISTORY OF THE (AMERICAN) BODY
3 credits.

This course demonstrates that human bodies have social and cultural histories. It will highlight the social values placed on different bodies, the changing social expectations bodies create, and the role of science and medicine in creating the cultural meanings of bodies.

**Requisites:** Women St 103 or other women's studies crse required; prev hist (incl med hist hist sci) crse preferred

**Course Designation:** Breadth - Humanities

**Level - Advanced**

L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement

**Repeatable for Credit:** No

**Last Taught:** Spring 2015
HIST SCI/HISTORY/MED HIST 543 — DOCTORS AND DELUSIONS: MADNESS AND MEDICINE IN THE MODERN ERA
3 credits.

Medical approaches to mental illness from 1750 to the present. Emphasis on how tension between biomedical and socio-environmental theories about psychopathology have marked modern psychiatry. Focus on Europe and the United States with global and comparative dimensions.

Requisites: Jr st or cons inst

Course Designation: Breadth - Either Humanities or Social Science
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI/MED HIST 550 — MEDICAL TECHNOLOGIES IN HISTORICAL PERSPECTIVE
3 credits.

Focusing upon the 18th- to 21st-century U. S. and building upon earlier European history, the course explores the ways that a range of technologies - e.g. stethoscopes, spirometers, x-rays, hospital design, pharmaceuticals, gene and cell therapies, telemedicine, etc. - have shaped medicine and invited social critique.

Requisites: Junior or Senior standing.

Course Designation: Breadth - Humanities
Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2015

HIST SCI/MED HIST/POP HLTH 553 — INTERNATIONAL HEALTH AND GLOBAL SOCIETY
3 credits.

Major problems in international health from 1750 to the present. Focus on disease epidemiology and ecology; political economy of health; migration; quarantine; race, ethnicity, and health care; international health research; cross-cultural healing; mental and maternal health; growth of international health organizations.

Requisites: Jr or Sr st, or cons inst

Course Designation: Breadth - Either Humanities or Social Science
Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No
Last Taught: Fall 2017

HIST SCI/MED HIST 554 — A HISTORY OF WESTERN DISABILITY
3 credits.

Offers a wide range of arguments about the nature of disability, from pre-history to the 21st century. Explores the history of disability in Western thought and practice and the formulation of personhood, citizenship, and social well being.

Requisites: None

Course Designation: Level - Intermediate
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI 555 — UNDERGRADUATE SEMINAR IN HISTORY OF SCIENCE
3 credits.

Introduction to research in history of science.

Requisites: Hist of sci majors only-initial preference to Srs

Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions

HIST SCI/CLASSICS/HISTORY/MED HIST/S&A PHM 561 — GREEK AND ROMAN MEDICINE AND PHARMACY
3 credits.

Greek and Roman medicine and drug lore from the Pre-Socratics to Oribasius (c. 600 B.C. - A.D. 350), including the backgrounds of ancient Egyptian and Mesopotamian medicine.

Requisites: Junior standing

Course Designation: Breadth - Humanities
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI/HISTORY/MED HIST/MEDIEVAL/S&A PHM 562 — BYZANTINE MEDICINE AND PHARMACY
3 credits.

Byzantine and Islamic medicine and drug lore from Oribasius to the beginnings of the Italian Renaissance (c. 350 - c. 1400 A.D.).

Requisites: Junior standing

Course Designation: Breadth - Humanities
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI/HISTORY/MED HIST 564 — DISEASE, MEDICINE AND PUBLIC HEALTH IN THE HISTORY OF LATIN AMERICA AND THE CARIBBEAN
3 credits.

This course examines the history of illness and medical practice in Latin America and the Caribbean from the colonial era until the present. Using an interdisciplinary set of sources, students will explore the different meanings of disease, body normativity, medical practice, and ideas about public health across different historical circumstances in the region. Include Graduate and Professional level

Requisites: Junior standing or above.

Course Designation: Breadth - Either Humanities or Social Science
Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2015
HIST SCI/ENGL/MED HIST 599 — DIRECTED STUDY IN HEALTH AND THE HUMANITIES
1 credit.

Offers students enrolled in the Health and the Humanities certificate an opportunity to conduct independent research under the guidance of a faculty member. It allows students who have enrolled in or completed HIST SCI/MED HIST/ENGL/MED HIST 525: Health and the Humanities Capstone an opportunity to go into greater depth on a topic covered in the capstone course. In consultation with a faculty member, students will design a project that builds on lessons learned or work completed as part of their capstone experience.

Requisites: Consent of instructor
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: No

HIST SCI 615 — THE HISTORY OF EVOLUTIONARY THOUGHT
3 credits.

Biological and geological foundations, preliminary speculations, the Darwinian synthesis, and its substantiation.

Requisites: Jr st or cons inst
Course Designation: Breadth - Humanities
Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2014

HIST SCI 622 — STUDIES IN ANCIENT AND MEDIEVAL SCIENCE
1 credit.

Advanced readings in primary and secondary literature of the history of ancient and medieval science, with emphasis on historiographic issues.

Requisites: Grad st; con reg in Hist Sci 322 or cons inst
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2013

HIST SCI 623 — STUDIES IN EARLY MODERN SCIENCE
1 credit.

Advanced readings in primary and secondary literature of the history of the 16th-17th century European science, with emphasis on current historiographic issues.

Requisites: Grad st; con reg in Hist Sci 323 or cons inst
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2017

HIST SCI 637 — STUDIES IN HISTORY OF TECHNOLOGY
1 credit.

Advanced readings in primary and secondary literature of the history of technology, with emphasis on historiographic issues.

Requisites: Grad st; con reg in Hist Sci 337 or cons inst
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No

HIST SCI 639 — STUDIES IN TECHNOLOGY & ITS CRITICS SINCE WORLD WAR II
1 credit.

Graduate readings and discussion on expert and popular criticism of technology from World War II to the present.

Requisites: Grad st; con reg in Hist Sci 339
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2010

HIST SCI/MED HIST 668 — TOPICS IN HISTORY OF MEDICINE
3 credits.

Upper-level special topics course in the history of medicine.

Requisites: Jr st
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2016

HIST SCI 681 — SENIOR HONORS THESIS
3 credits.

Honors thesis for history of science majors.

Requisites: Open to honors majors in hist sci, cons inst required
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Honors - Honors Only Courses (H)
Repeatable for Credit: Yes, unlimited number of completions

HIST SCI 682 — SENIOR HONORS THESIS
3 credits.

Honors thesis for history of science majors. Continuation of 681.

Requisites: Open to honors majors in hist sci, cons inst required
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Honors - Honors Only Courses (H)
Repeatable for Credit: Yes, unlimited number of completions

HIST SCI 691 — SENIOR THESIS
3 credits.

Senior thesis for history of science majors. Research and writing on an original topic.

Requisites: Open to hist sci majors, cons inst required
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions
HIST SCI 692 — SENIOR THESIS
3 credits.

Senior thesis for history of science majors. Continuation of 691.
Requisites: Open to hist sci majors, cons inst required
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions

HIST SCI 698 — DIRECTED STUDY
1-3 credits.

Cr/N. Graded on a Cr/N basis; requires cons inst
Requisites: Jr st.
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions

HIST SCI 699 — DIRECTED STUDY
1-3 credits.

Graded on a lettered basis; requires cons inst
Requisites: Jr st.
Course Designation: Level - Advanced
L&S Credit - Counts as Liberal Arts and Science credit in L&S
Repeatable for Credit: Yes, unlimited number of completions

HIST SCI/ENVIR ST/MED HIST 713 — STUDIES IN ENVIRONMENT AND HEALTH
1 credit.

Advanced readings in primary and secondary literature of environment and health, with emphasis on current historiographic issues.
Requisites: Grad st, or con reg in Hist Med 513 or cons inst
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2016

HIST SCI 720 — PROSEMINAR: HISTORIOGRAPHY AND METHODS
3 credits.

Philosophies, methods, and sources in the history of science, and their relations to the current state of scholarship.
Requisites: Graduate or professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2017

HIST SCI/MED HIST 743 — DOCTORS AND DELUSIONS: MADNESS AND MEDICINE IN THE MODERN ERA
1 credit.

Advanced readings in primary and secondary literature of the history of psychiatry, with emphasis on historiographical issues.
Requisites: Grad st con reg in Med Hist 543, or cons inst
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Fall 2011

HIST SCI 903 — SEMINAR: MEDIEVAL, RENAISSANCE, AND 17TH CENTURY SCIENCE
3 credits.

Requisites: Graduate or professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2017

HIST SCI 907 — SEMINAR: HISTORY OF TECHNOLOGY
3 credits.

Research and readings on a topic of current interest in history of technology.
Requisites: Graduate or professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2018

HIST SCI 909 — HISTORY OF BIOLOGY AND MEDICINE
3 credits.

Requisites: Graduate or professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Fall 2017

HIST SCI 911 — SEMINAR-EIGHTEENTH CENTURY SCIENCE
3 credits.

Requisites: Graduate or professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: No
Last Taught: Spring 2017

HIST SCI/MED HIST 915 — SEMINAR: SCIENCE IN AMERICA
3 credits.

Requisites: Graduate or professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2012

HIST SCI/MED HIST 919 — GRADUATE STUDIES IN MEDICAL HISTORY
3 credits.

Three seminars analyzing the scientific and social aspects of the development of modern medicine in Europe and America; one seminar exclusively on public health.
Requisites: Graduate or professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2018
HIST SCI 921 — SEMINAR-SPECIAL TOPICS
3 credits.
Offered occasionally. Topics not treated in regular courses.
Requisites: Graduate or professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2014

HIST SCI 925 — SEMINAR: RESEARCH AND THESIS
1-3 credits.
Requisites: Graduate or professional standing
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions
Last Taught: Spring 2017

HIST SCI 950 — HISTORY OF SCIENCE COLLOQUIUM
1 credit.
Intended for graduate majors in History of Science and required of graduate majors in History of Science during their first two semesters.
Requisites: History of Science major; Grad st
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

HIST SCI 990 — RESEARCH AND THESIS
1-3 credits.
Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions

HIST SCI 999 — INDEPENDENT WORK
1-3 credits.
Requisites: Consent of instructor
Course Designation: Grad 50% - Counts toward 50% graduate coursework requirement
Repeatable for Credit: Yes, unlimited number of completions