

A Partial List of *POTENTIAL* HPS Substitutions (2016-2017)
This list does not cover all possible substitutions. Not all classes are necessarily available in the 2016-17 academic year.
No course substitution is guaranteed.
Each substitution request is evaluated on a case-by-case basis.

| <u>Course</u> | <u>Credits</u> | <u>Semester</u> |
|--|----------------|-----------------|
| GEO 432 Environmental Ethics Ethical dimensions of environmental and spatial issues and associated public policies | 3 | F |
| HM 491 Special Topics in Bioethics and Medical Humanities Special topics in ethics and humanities of health care, proposed by faculty on a group study basis. | variable | F,S |
| HRT 486: Biotechnology in Agriculture: Applications and Ethical Issues Current and future roles of biotechnology in agriculture; scientific basis, applications. Environmental, social, and ethical concerns. | 3 | F (even) |
| HST 420: History of Sexuality Since the 18th Century Changing gender roles, sex in the Victorian era, prostitution, pornography, birth control, emergence of homo- and heterosexuality, sex under fascism, the sexual revolution, contemporary conflicts. | 3 | F,S |
| JRN 473 Special Topics Seminar in Environmental, Health and Science Journalism Topics may include news coverage of health, science and environmental events and issues. | variable | F,S |
| LIN 463: Introduction to Cognitive Science Cognitive processing of information by animals, humans, and computers. Relevant issues in philosophy, linguistics, psychology, neurophysiology, and artificial intelligence. | 3 | S |
| MC 343 Elections and Health Care Survey and analysis of health policy and bioethical issues in electoral politics, including problems facing democratic deliberation. Topics include ethical dilemmas that arise in public life, including health care finance. Tensions between preventative and acute care policy and between health care and environmental policy. Abortion, stem cells and other biotechnologies. | 3 | F (even) |
| MC 350 Evolution and Society The reciprocal relationship between evolutionary science and American culture. Social, political, and economic influences that shape biological scientists' descriptions of evolutionary change and their claims about evolutionary influence on cultures. | 3 | S (even) |
| MC 351: Science and Social Policy Role that scientific research on group differences plays in creating and maintaining social stereotypes and policy. Practical implications of scientific re-search, sources of bias among scientific investigators, and the role of scientists in creating and changing stereotypes and in attacking social prejudice. | 4 | F (even) |
| MC 445: Biodiversity Conservation Policy and Practice Social, economic, and policy considerations. Approaches to conserve biodiversity. | 3 | S (even) |
| MC 450: International Environmental Law and Policy Overview of concepts, actors, norms, laws, and institutions related to international environmental policy. Case studies on current global environmental issues. | 3 | S |
| MC 481: Global Issues in Fisheries and Wildlife Global issues and their impacts on implications for the management of fisheries and wildlife resources. | 3 | S |

| <u>Course</u> | <u>Credits</u> | <u>Semester</u> |
|--|----------------|-----------------|
| MSC 413: Mad science: Applications and Unethical Issues Practical, hands-on experience in playing god. Topics include: time travel, temporal-paradox incest and the advantages of being your own parent; doomsday weapons and international blackmail; choosing minions that are right for you: human-animal hybrids vs. freshman; pills that make you like totally smart and stuff; super-villainy grantsmanship; outwitting IRBs. | 4 | S |
| PHL 330: Formal Reasoning Formal methods in deductive reasoning. Logic of connectives and quantifiers including identity, functions, and descriptions. | 4 | F,S |
| PHL 342 Environmental Ethics Ethical perspectives on humanity's use of and relationship to nonhuman animals, the land, future humans, and the ecosystem itself. | 3 | F |
| PHL 344: Ethical Issues in Health Care Termination of treatment, truth-telling, informed consent, human experimentation, reproductive issues, allocation of scarce resources, justice and the health care system. | 4 | F,S |
| PHL 358: Zombie ethics Topics include: hmmm, brains? | 3 | S |
| PHL 380: Nature of Science Conflicting views about science and values. Such topics as scientific methodology; the objectivity and value neutrality of science; the presuppositions, goals, and limits of science; and science and decision making. | 3 | F,S |
| PHL 442: Ethics and Animals Moral standing for non-human animals, basis for human moral obligations to animals, animal's cognitive abilities. Ethics of using animals in specific ways: medical research, for food, in zoos, in the wild and in biotechnology. | 3 | F (odd) |
| PHL 444: Philosophical Issues in Biomedicine Philosophically puzzling features of medical research, policy, and practice. Issues in theories of knowledge, personal identity, reference and meaning. | 4 | F (even) |
| PHL 453: Ethics and Global Health Care Ethical issues about public health from a global perspective. Health and illness in the context of development, poverty, technological change, resource conflicts, the distribution of power, and social violence. Values and policy issues regarding resources, environment, and the distribution and quality of health care. | 3 | S |
| PHL 460 Epistemology Theories and concepts of knowledge, belief, epistemic justification, certainty, and reason. | 3 | F |
| PHL 461 Metaphysics Basic concepts employed in trying to understand the nature of things. Concepts include universals, particulars, things, kinds, properties, events, persons, change, causality, chance, existence, possibility, necessity, space, and time. | 3 | S |
| PHL 462 Philosophy of Mind Modern theories of the mind, other minds, and the mind's relation to the body. Theories include dualism, behaviorism, criteriology, reductive and eliminative materialism, and functionalism. | 3 | F |
| PHL 480: Philosophy of Science Structure of scientific theories and explanation. Causation, prediction, induction, confirmation, or statistics course recommended discovery, and scientific progress. | 4 | F |

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|--|----------------|-----------------|
| <p>PHL 484: Philosophy of Biological Science Philosophical and methodological issues in biology. Topics such as functional explanation, classification, two PHL courses recommended the structure of evolutionary theory, reductionism, observation and measurement, or value-neutrality.</p> | 3 | S |
| <p>PHL 485: Philosophy of Social Science Explanations, theories, and concepts in social science. Topics such as historicism; reductionism; rationality and relativism; comparison of logical empiricist, interpretive, and critical theory approaches</p> | 3 | S |
| <p>PSY 405 History of Modern Psychology Themes, periods, and contributions of the leading psychologists. Psychological systems such as behaviorism, cognition, and psychoanalysis. Evolution of psychological concepts. Social context.</p> | 3 | S |
| <p>SOC 412 Animals, People and Nature Sociological overview of the intersecting roles of animals, culture and nature in contemporary society.</p> | 3 | S |
| <p>SOC 452: Environment and Society Environmental conditions and social organization. Relation to resources, pollution, energy, and risks. Growth and limits to growth. Environmental attitudes, actions, movements, and regulation.</p> | 3 | F |
| <p>SOC 475: Sociology of Health Care Systems Organizations, professions, and institutions of health care systems. Provider-patient relationships. Social epidemiology. Socioeconomic factors influencing access. International comparisons.</p> | 3 | S |
| <p>SOC 476: Social Psychology of Health Social psychological aspects of health and health care behavior. Mental health and stress. Patient-provider behavior. Role relationships.</p> | 3 | F |
| <p>ZOL 446: Environmental Issues and Public Policy Interrelationship of science and public policy in resolving environmental issues. Technical, social, economic, and legal influences. Case study approach.</p> | 3 | F |
| <p>ZOL 457: Foundations of Evolutionary Biology Reading and discussion of original works in evolutionary biology which have shaped modern and evolutionary thought.</p> | 3 | S |