

Psychology 250—Research Design and Analysis
 Psychology 252—Sensation Measurement and Perception
 Psychology 253—Neural Mechanisms of Motivated Behaviors
 Psychology 254—Attention and Memory
 Psychology 255—Cognitive Neuroscience
 Psychology 257—Psychobiology of Development
 Psychology 258—Neural Mechanisms of Sensory and Motor Function

Neuroscience 120 (3)—Introduction to Neuroscience

An introduction to neuroscience emphasizing the molecular organization, chemistry, and physiology of the neuron; how neurons are organized into functional circuits; and how these functional circuits process information and control both normal and abnormal behavior. (SC) *R. Stewart.*

Winter

Neuroscience 395 (1, 2, or 3)—Special Topics in Neuroscience

Prerequisites: Neuroscience 120 and junior standing.

A seminar designed to provide the advanced student with a broader knowledge of the field of neuroscience. Specific topics will vary and will be determined, in part, by student interest. May be repeated for credit with permission and if the topics are different. *Staff.*

Fall, Winter

Neuroscience 401 (1), 402 (2), 403 (3)—Directed Individual Study

Prerequisite: Permission of the neuroscience faculty. This seminar involves independent reading and/or research. Students are expected to prepare a detailed research proposal based on their independent work. May be repeated for degree credit with permission and if the topics are different. *Staff.*

Fall, Winter, Spring

Neuroscience 422 (2), 423 (3), 424 (4)—Directed Individual Research

Prerequisites: Permission of the neuroscience faculty. Each student conducts primary research in partnership with a neuroscience faculty member by prior mutual agreement. Consult with individual faculty for a description of current research areas. May be repeated for degree credit with permission and if the topics are different. No more than six credits may apply towards the major. *Staff.*

Fall, Winter, Spring

Neuroscience 442 (2)—Honors Thesis Proposal

Prerequisite: Honors candidacy. Writing a proposal for honors thesis research, including a clear statement of the problem being studied, a literature review, and a feasible, detailed plan for the research. Taken no later than the Winter Term of the junior year. *Staff.*

Offered in fall or winter when interest is expressed and departmental resources permit.

Neuroscience 493 (3-3)—Honors Thesis

Prerequisites: Senior standing and honors candidacy. Individual conference. *Staff.*

Fall-Winter

PHILOSOPHY (PHIL)

Pierre S. duPont Foundation

PROFESSOR SESSIONS

ASSOCIATE PROFESSOR MAHON

ASSISTANT PROFESSORS BELL, GREGORY

MAJOR

A major in **philosophy** leading to a Bachelor of Arts degree requires completion of 42 credits including the following:

1. At least 30 credits in philosophy, exclusive of Philosophy 473 and 493, and including:
 - a. Philosophy 106
 - b. at least 21 credits chosen from philosophy courses numbered 200 and above
 - c. four courses in the history of philosophy or major figures chosen from among the following: Philosophy 141, 142, 144, 221 (Classics 221), 222, 263, 265, 270, 311, 314, 316, and 195, 395, and 403 when the topics are appropriate
2. At least nine credits chosen from offerings in philosophy or related disciplines, with the approval of the department head
3. Philosophy 473 (3) or 493 (3-3). The thesis is prepared under the supervision of an adviser and is presented for evaluation in the student's final term, normally the Spring Term of the senior year.

HONORS: An Honors Program in philosophy is offered for qualified students; see department head for details.

Philosophy 101 (3)—Problems of Philosophy

Open to freshmen and sophomores only. An introduction to some of the major ethical, political, and social problems we persistently confront. Selected readings from major philosophers. (HU, GE4c) *Staff.*

Fall, Winter

Philosophy 102 (3)—Problems of Philosophy

Open to freshmen and sophomores only. Philosophy 101 is not a prerequisite for this course. An introduction to some of the major problems that arise in inquiry into the nature of knowledge and reality. Selected readings from major philosophers. (HU, GE4c) *Staff.*

Fall

Philosophy 106 (3)—Introduction to Logic

The study of argumentation and modern formal logic. This course explores the basic principles of deductive and inductive reasoning. Students learn to symbolize and evaluate natural language arguments. Topics covered include the study of formal and informal fallacies, propositional and predicate logic, scientific induction, and probabilities. (HU, GE4c) *Gregory.*

Fall, Winter

Philosophy 108 (3)—Ethics and the Environment

Prerequisite: Permission of the instructor. An exploration of one's responsibilities to the natural world through the writings of Thoreau, John Muir, Aldo Leopold, and others, and analysis of patterns of land use in the United States since the colonial period. (HU, GE4c) Cooper.

Fall

Philosophy 141 (3)—Ancient Philosophy

An examination of the metaphysics of the pre-Socratic philosophers, especially the Milesians, Pythagoras, Xenophanes, Heraclitus, Parmenides, Zeno of Elea, and the Atomists, and the ethics and political philosophy of Socrates, Plato, and Aristotle. Topics include the origin and nature of the *kosmos*, the nature and existence of the god(s), the trial and execution of Socrates, theories of virtue, the nature of knowledge and truth, justice and the ideal state, the nature of *eudaimonia* (happiness, flourishing), and the possibility of *akrasia* (weakness of the will). (HU, GE4c) Mahon.

Fall

Philosophy 142 (3)—Modern Philosophy

An examination of the metaphysics, epistemology, and philosophy of religion in the rationalist philosophers Rene Descartes, Baruch Spinoza, and Gottfried Wilhelm von Leibniz, and the empiricist philosophers John Locke, George Berkeley, and David Hume. Topics include skepticism about the external world, mind-body dualism, the existence and nature of God, theories of substance, free will and determinism, personal identity, and causation. (HU, GE4c) Mahon.

Winter

Philosophy 144 (3)—20th-Century Philosophy

An examination of philosophical issues in recent Western thought, from logical atomism to deconstructionism: Husserl, Russell, Heidegger, Dewey, Wittgenstein, Quine, and others. (HU, GE4c) Sessions.

Not offered in 2007-2008

Philosophy 168 (3)—Chinese Philosophy

An introductory course focusing on classical (Zhou period) Confucian and Taoist philosophers. No background in Chinese studies is presupposed. (HU, GE4c) Sessions.

Not offered in 2007-2008

Philosophy 195 (3)—Seminar for Freshmen and Sophomores

Prerequisite: Permission of the instructor. A consideration of selected issues in philosophy. May be repeated for degree credit with permission and if the topics are different. **Topics for 2008: The Concept of Honor** (HU, GE4c); **Philosophy of the Family** (HU, GE4c) Sessions and Bell.

Spring

Philosophy 205 (3)—Philosophy of Language

A survey of central topics in the field, including some or all of the following: reference, meaning, truth, analyticity, speech acts, pragmatics, verificationism, indeterminacy, innateness, metaphor, and development of language in the species and in the individual. (HU, GE4c) Gregory.

Winter

Philosophy 206 (3)—Problems in Logic

Prerequisite: Philosophy 106 or permission of the instructor. An inquiry into formal logic and philosophical issues related to logic. The course includes a study of truth and meaning, vagueness, the revisability of logic, and Gödel's theorem. It also extends propositional and predicate logic to include topics such as the logic of identity, fuzzy logic, many valued logic, mereology, and modal logic. (HU, GE4c) Staff.

Not offered in 2007-2008

Philosophy 207 (3)—Aesthetics

A consideration of the basic issues in philosophy of art. Selected viewings and readings from contemporary sources. (HU, GE4c) Staff.

Not offered in 2007-2008

Philosophy 212 (Religion 212) (3)—Philosophy and Religion

An exploration of selected issues, such as mystical and numinous experiences and doctrines, theistic arguments, faith and reason, religion and morality, and science and religion. (HU, GE4c) Sessions.

Fall

Philosophy 215 (3)—Social Inequality and Fair Opportunity

An exploration of the different range of opportunities available to various social groups, including racial, ethnic and sexual minorities, women, and the poor. Topics include how to define fair equality of opportunity; the social mechanisms that play a role in expanding and limiting opportunity; legal and group-initiated strategies aimed at effecting fair equality of opportunity and the theoretical foundations of these strategies; as well as an analysis of the concepts of equality, merit and citizenship, and their value to individuals and society. (HU, GE4c) Bell.

Winter

Philosophy 221 (Classics 221) (3)—Plato

A close study of one or several dialogues. (HU, GE4c) Staff.

Not offered in 2007-2008

Philosophy 222 (3)—Aristotle

A study of Aristotle's comprehensive philosophy of man and nature, including his logic, physics, metaphysics, psychology, ethics, and aesthetics. (HU, GE4c) Sessions.

Winter

Philosophy 251 (3)—Meaning and Existence

A consideration of the existential philosophies of Kierkegaard, Nietzsche, and others. (HU, GE4c) Staff.

Not offered in 2007-2008

Philosophy 255 (3)—Philosophy of Science

Discussion of philosophical issues raised by the natural sciences. Topics include the nature of scientific theories, evidence, and explanation, the demarcation of science from non-science, scientific revolutions, the unity of science, and scientific realism. (HU, GE4c) Gregory.

Winter

Philosophy 256 (3)—Philosophy and Literature

Prerequisite: Permission of the instructor. A consideration of philosophical themes in the writings of some 19th- and 20th-century authors, including Dostoevsky, Melville, Hemingway, Percy, and Solzhenitsyn. (HU, GE4c) Staff.

Not offered in 2007-2008

Philosophy 257 (3)—Philosophy of Biology

An examination of philosophical issues raised by biology, with an emphasis on current evolutionary theory. Topics include the structure of the theory of evolution by natural selection, an examination of the concepts of fitness and adaptation, the role of teleological explanation in biology, reductionism, the nature of biological species, individuality, levels of selection, and sociobiology. (HU, GE4c) Staff.

Not offered in 2007-2008

Philosophy 258 (3)—Philosophy of Law

An examination of topics in the philosophy of law, such as the concepts of a law and of a legal system; the Natural Law; legal positivists and legal realist theories of law; the nature of the relationship between law, morality, and religion; civil disobedience; rights in the U.S. Constitution; freedom of speech and pornography; abortion and the right to privacy; punishment and the death penalty; and different forms of legal liability. Readings include United States Supreme Court opinions. (HU, GE4c) Mahon.

Spring

Philosophy 260 (3)—Philosophy of Nature

An examination of various understandings of nature and the natural from the ancient Greeks to the present. The course includes exploration of basic philosophical issues regarding the concepts "nature," "wild," and "wilderness." The focus is on the relationship between landscapes and conceptualizations of time, self, and community. (HU, GE4c) Staff.

Not offered in 2007-2008

Philosophy 263 (3)—Kierkegaard

A study of *Philosophical Fragments* and *Concluding Unscientific Postscript* with emphasis on the analysis of the religious and moral life. (HU, GE4c) Sessions.

Fall

Philosophy 265 (3)—Nietzsche

An examination of Nietzsche's central philosophical conceptions—revaluation of values, genealogy of morality, self-overcoming, eternal recurrence—through selected readings from various periods in Nietzsche's authorship. (HU, GE4c) Staff.

Not offered in 2007-2008

Philosophy 270 (3)—History of Ethics

A close examination of the writings of some of the philosophers who have shaped modern ethical thought, including St. Thomas Aquinas, Niccolò Machiavelli, Thomas Hobbes, David Hume, Immanuel Kant, Friedrich Nietzsche, and John Stuart Mill. Topics include theories of Natural Law; the social contract; the origin and nature of justice; morality and reason; morality and Christianity; and individual autonomy and state paternalism. (HU, GE4c) Mahon.

Fall

Philosophy 301 (3)—Metaphysics

An exploration of the aims, methods, and value of metaphysical thinking. Selected readings from various philosophical viewpoints. (HU, GE4c) Sessions.

Winter

Philosophy 305 (Psychology 305) (3)—Speech and Cognition

Prerequisite: Six credits in philosophy and/or psychology. An examination of speech, speech acts, discourse, and understanding. Staff.

Not offered in 2007-2008

Philosophy 310 (3)—Contemporary Ethics

An examination of different metaethical theories including ethical realism, emotivism, error theory, and constructivism, and different normative ethical theories including utilitarianism, Kantian deontology, virtue ethics, and the ethics of care, followed by an application of these normative theories to a selection of ethical problems including famine and world hunger, abortion, infanticide, euthanasia, cloning, suicide, and self-defense. Philosophers include G.E. Moore, W.D. Ross, A.J. Ayer, J.L. Mackie, Bernard Williams, Susan Wolf, Peter Singer, Michael Tooley, Judith Jarvis Thomson, and Shelly Kagan. (HU, GE4c) Mahon.

Winter

Philosophy 311 (3)—Wittgenstein

A close study of Wittgenstein's *Philosophical Investigations*. Emphasis on the analysis of language, meaning, and states of consciousness. (HU, GE4c) Staff.

Not offered 2007-2008

Philosophy 312 (3)—Theory of Knowledge

An examination of the basic problems in epistemology with an emphasis on contemporary discussions. Topics include skepticism, knowledge, justification (foundationalism, coherentism, reliabilism), relativism, and rationality. (HU, GE4c) Gregory.

Not offered in 2007-2008

Philosophy 313 (3)—Philosophy of Mind

A consideration and assessment of dualism and materialism and of various theories of the relation between the mental and the physical, such as the identity theory, functionalism, and supervenience. (HU, GE4c) Gregory.

Fall

Philosophy 314 (3)—Heidegger

A careful reading of Heidegger's *Being and Time* and some later essays. (HU, GE4c) Staff.

Winter

Philosophy 316 (3)—Kant

An exploration of the full sweep of Kant's *Critical Philosophy*, with special attention to the *Critique of Pure Reason*. (HU, GE4c) Sessions.

Fall 2008

**Philosophy 341 (Interdepartmental 341) (3)—
Medical Ethics**

Prerequisite: Permission of the instructor. An examination of the issues arising out of the human impact of modern biomedical research and practice. Specific issues are selected from among the following: abortion, contraception, death and dying, experimentation/research, genetics, in vitro fertilization, mental retardation, public health/community medicine, science/technology, transplantation and patients' rights. (HU, GE4c) Cooper.

Winter

**Philosophy 342 (Interdepartmental 342) (3)—
Legal Ethics**

Prerequisite: Permission of the instructor. An examination of the issues associated with lawyers' roles in society and their impact upon and obligations to the client, the court, and the legal profession. The course also addresses questions of the role and function of law and the adversary system. (HU, GE4c) Cooper.

Winter

Philosophy 395 (3)—Advanced Seminar

Prerequisites: Six credits in philosophy and permission of the instructor. An intensive and critical study of selected issues or major figures in philosophy. May be repeated for degree credit with permission and if the topics are different. **Topic for Fall 2007: Distributive Justice (HU, GE4c) Bell. Topic for Winter 2008: Feminist Social and Political Philosophy (HU, GE4c) Bell. Topic for Spring 2008: Quine: Language, Theory, Reality (HU, GE4c) Gregory.**

Philosophy 403 (3)—Directed Individual Study

Prerequisite: Permission of the department. May be repeated for degree credit with permission and if the topics are different. Staff.

**Philosophy 473 (3)—Senior Thesis and
Philosophical Topics**

Prerequisites: Senior standing and major in philosophy. Seminars devoted to philosophical issues in conjunction with which each major will prepare and present a senior thesis. Staff.

Winter

Philosophy 493 (3-3)—Honors Thesis

Prerequisites: Honors candidacy and senior standing.

Fall-Winter

PHYSICAL EDUCATION (PE)

ASSOCIATE PROFESSORS ALDRIDGE,
COLLITON, FRANKE, HATHORN, LYLES,
MIRIELLO, O'CONNELL, PIRANIAN, RANKIN,
STICKLEY, TUCKER

ASSISTANT PROFESSORS ADAMS,
CUNNINGHAM, DETWILER, GRANT, K. HOEY,
N. HOEY, HUTCHINSON, KING, McCABE,
O'NEAL, ORRISON, SCHALL, SHINOFIELD,
SNYDER

REQUIREMENTS:

For students entering Fall 2007 or later, degree requirements include the successful completion of four physical education activity courses, Physical Education (PE) 101 through 215. Those entering prior to Fall 2007 must complete five activity courses. Students may not repeat a course they have already passed, with the exception of PE 200 through 215, which may be elected no more than two times for credit. Students may not take corresponding 100- or 200-level courses for more than two terms. A 100-level course must be taken prior to the corresponding 200-level course. Credits taken in excess of these limits will be treated as repeats of the earliest unrepeated credit of this kind.

In addition to the degree requirements, a swimming proficiency test is required. No student is exempt from the proficiency test unless he or she receives a medical excuse from the University physician. A student who fails to pass the proficiency test will be placed in Fundamental Swimming (PE 101). PE 101 will satisfy one of the activity courses required for a degree.

Freshmen are given the opportunity to elect whether the grade for the one credit which they will receive in physical education will be recorded as a letter grade or as a Pass/Fail grade. This election must be accomplished during the Fall Term prior to midterm. The decision is binding and no subsequent change is permitted.

The University physician will review medical histories and determine whether a student is capable of participating in regular courses or should be placed in PE 102, Therapeutic Exercise.

SKILLS COURSES**Physical Education 101—Fundamental Swimming**

Students who are classified "non-swimmers" based on the proficiency test must register for this course. (FP, GE7) Staff.

Fall, Winter, Spring

Physical Education 102—Therapeutic Exercise

Prerequisite: Permission of the head trainer. A specialized course employing physical rehabilitation techniques. Students with an acute physical impairment are assigned through consultation with the University physician in lieu of other physical education courses. May be repeated for degree credit. (FP, GE7) Staff.

Fall, Winter, Spring: arranged