PHILOSOPHY

Department of Philosophy
College of Arts and Letters

130. Logic and Reasoning
Fall, Spring. 3(3-0)
R: Not open to students with credit in PHL 330.
Deductive and inductive reasoning. Topics such as logical argumentation, fallacies, definitions, meaning, truth, and evidence. Techniques for critical reading and thinking.

200. Introduction to Philosophy
Fall, Spring. 3(3-0)
Theories of knowledge, values, and reality. Topics such as objectivity, relativism and cultural diversity, moral responsibility, aesthetic values, the self, existence of God, free will, minds and machines.

210. History of Western Philosophy: Ancient and Medieval
Fall, 3(3-0)
Greek philosophy with emphasis on Plato and Aristotle; Roman philosophy; and medieval philosophy.

211. History of Western Philosophy: Modern
Spring. 3(3-0)
P: PHL 210 recommended.
Philosophy from the Renaissance through the nineteenth century, with emphasis on such philosophers as Descartes, Spinoza, Locke, Hume, Kant, Hegel, Kierkegaard and Nietzsche.

320. Existentialism
Fall. 3(3-0)
P: One PHL course.
Husserl, Jaspers, Kierkegaard, Marcel, Nietzsche, Sartre, and de Beauvoir. Topics such as hope, anxiety, bad faith, subjectivity, freedom, social being, phenomenological method.

330. Formal Reasoning I
Fall. 4(4-0)
Formal methods in deductive reasoning. Logic of connectives and quantifiers, including identity, functions, and descriptions.

331. Formal Reasoning II
Fall. 4(4-0)
P: PHL 330
Axiomatic method. Informal axiomatizations of set theory and probability theory. Metatheory of elementary logic.

340. Ethics
Fall. 3(3-0)
P: One PHL course.
Inquiry through the writings of some important theorists, their critics and their contemporary followers. Aristotle, Hume, Kant, Mill, Sidgwick.

344. Ethical Issues in Health Care
Fall. 4(4-0)
P: Not open to freshmen and sophomores.
Termination of treatment, truth-telling, informed consent, human experimentation, reproductive issues, allocation of scarce resources, justice and the health care system.

345. Business Ethics
Fall. 4(4-0)
P: Not open to freshmen and sophomores.
Ethical dimensions of the relationships between business and employees, consumers, other businesses, society, government, and the law.

347. Aesthetics
Fall. 3(3-0)
P: One course in art or literature or music or philosophy.
Theories of aesthetic value and the nature of art. Works of such aestheticians as Plato, Hume, Kant, Hegel, Tolstoy, Santayana, Wittgenstein, Isenberg, Langer, Murdoch.

350. Moral and Political Issues
Fall. 3(3-0)
P: One PHL course.
Justice, rights and responsibilities. Topics such as equality of opportunity, justice for the aged and future generations, and abortion.

354. Philosophy of Law
Fall. Spring. 3(3-0)
P: One PHL course or two PLS courses.
Legal concepts such as punishment, responsibility, rights and duties, and judicial decisions. Legal theories such as natural law, positivism and realism.

355. Philosophy of Technology
Spring. 4(4-0) interdepartmental with Lyman Briggs School. Administered by Lyman Briggs School.
P: LBS 133 or another Tier I writing course. R: Not open to freshmen. Open only to students in Lyman Briggs School and the Department of Philosophy.
Examination of the desirability of technology, its social forms, and its alternatives. Conventional productivist, ecological progressive, and radical humanist outlooks.

356. Philosophical Aspects of Feminism
Fall. Spring. 4(4-0)
Conceptual and normative issues in feminist theory. Topics such as sexism, oppression, coerced control, power, equality, personal freedom, self-esteem, rape, separation, community, intimacy, and autonomy.

357. Philosophy of Karl Marx
Spring. 3(3-0)
P: One PHL course.
Marx’s philosophical thought and its bearing on science, religion, art and politics.

360. Philosophy of Language
Spring. 3(3-0)
P: One course in Philosophy.
Elementary topics in semantics, linguistic pragmatics, and philosophy of language. Meaning, denotation, speech acts, and linguistic relativities.
380. Nature of Science
Fall, Spring. 3(3-0)
P: One course in the biological, physical, or mathematical sciences.

381. Topics in 20th Century Analytical Philosophy
Fall. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
P: One Philosophy course at 300 level or above.

385. Nature of Science
Fall, Spring. 3(3-0)
P: One course in the biological, physical, or mathematical sciences.

386. Topics in 20th Century Analytical Philosophy
Fall. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
P: One Philosophy course at 300 level or above.

390. Topics in 20th Century Continental Philosophy
Fall. 4(4-0) A student may earn a maximum of 12 credits in all enrollments for this course.
P: Three credits in Philosophy at 300 level or above.
Recent European movements such as phenomenology, poststructuralism, critical theory, hermeneutics, and philosophical anthropology.

421. Topics in European Philosophy
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
P: PHL 320 or PHL 420.
A particular problem, topic, or author in nineteenth- and twentieth-century European philosophy, such as Kierkegaard, Husserl, Heidegger, Lukanos, Marxism vs. existentialism, and theories of interpretation.

430. Topics in Philosophical Logic
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
P: PHL 330.
Selected topics from metalogic, model theory, artificial intelligence and deontic logic.

440. Central Issues in Ethics
Spring. 4(4-0)
P: PHL 340 or PHL 350 or PHL 450.
Twentieth-century discussions of universalization, utilitarianism, nature of a moral theory, moral language, relativism, skepticism, theory and practice, weakness of will, moral education, and justification.

447. Advanced Aesthetics
Spring. 3(3-0)
P: PHL 347 or graduate student.

460. Epistemology
Fall. 3(3-0)
P: One Philosophy course at the 300 level or above.

461. Metaphysics
Spring. 3(3-0)
P: One Philosophy course at the 300 level or above.

462. Philosophy of Mind
Fall. 3(3-0)
P: One Philosophy course at the 300 level or above.

485. Philosophy of Social Science
Spring. 3(3-0)
P: Three courses in biological science or two courses in PHI or approval of department.

488. Philosophy of Science
Spring. 3(3-0)
P: PhL 100 or PhL 300 or two 400 level mathematics or statistics courses or approval of department.
Structure of scientific theories and explanation. Causation, prediction, induction, confirmation, discovery, and scientific progress.

490. Philosophy of Science
Fall. 4(4-0)
P: PHL 350 or PHL 350 or a 200 level mathematics or statistics course or approval of department.

491. Philosophy of Science
Fall. 3(3-0)
P: Three courses in biological science or two courses in PHI or approval of department.

494. Philosophy of Biological Science
Spring. 3(3-0)
P: Three courses in biological science or two courses in PHI or approval of department.

495. Philosophy of Social Science
Spring. 3(3-0)
P: Three courses in social science or two courses in PHI or approval of department.

496. Biotechnology in Agriculture: Applications and Ethical Issues
Spring of odd-numbered years. 3(3-0) Interdepartmental with Horticulture, Crop and Soil Sciences, and Forestry. Administered by Horticulture.
P: PSY 111 or BOT 105. R: Not open to freshmen and sophomores.
Current and future roles of biotechnology in agriculture: scientific basis, applications, Environmental, social, and ethical concerns.

497. Philosophy of Mathematics
Fall of odd-numbered years. 3(3-0)
P: Three courses in mathematics or PHL 330 or approval of department.
Nature of mathematical truth and knowledge. Theories of logicism, formalism, intuitionism, and conventionalism.

498. Philosophy of Physical Science
Fall of even-numbered years. 3(3-0)
P: Three courses in physical science or two courses in PHI or approval of department.
Philosophical problems of the physical sciences. Topics from such areas as quantum mechanics, space-time, classical mechanics, or relativity.
Descriptions — Philosophy

Courses

490. Independent Study
Fall, Spring. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course.
R: Approval of department.

491. Special Topics in Philosophy
Fall, Spring, Summer. 3 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course.
R: Approval of department.

492. Seminar in Metaphysics and Epistemology
Fall. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Approval of department.

493. Seminar in Philosophy of Health Care
Fall. 2 to 4 credits. A student may earn a maximum of 15 credits in all enrollments for this course.
R: Approval of department.

494. Seminar in Philosophy of Science
Spring. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Approval of department.

495. Seminar in the History of Philosophy
Fall. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Approval of department.

496. Seminar in Continental Philosophy
Fall of even-numbered years. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Approval of department.

497. Seminar in Logic and the Philosophy of Language
Fall of odd-numbered years. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Approval of department.

498. Seminar in Value Theory
Spring. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Approval of department.

499. Seminar in Social and Political Philosophy
Spring of even-numbered years. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Approval of department.

890. Seminar in Political Philosophy
Fall. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Approval of department.

891. Independent Study
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 20 credits in all enrollments for this course.
R: Approval of department.

892. Independent Study
Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 20 credits in all enrollments for this course.
R: Approval of department.

893. Practicum in Philosophy of Health Care
Spring of odd-numbered years. 4 to 8 credits. A student may earn a maximum of 12 credits in all enrollments for this course.
R: Approval of department.

894. Practicum in Philosophy of Science
Spring of odd-numbered years. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Approval of department.

895. Practicum in Philosophy of Health Care
Spring of odd-numbered years. 4 to 8 credits. A student may earn a maximum of 12 credits in all enrollments for this course.
R: Approval of department.

896. Practicum in Philosophy of Science
Spring of odd-numbered years. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Approval of department.

897. Practicum in Philosophy of Health Care
Spring of odd-numbered years. 4 to 8 credits. A student may earn a maximum of 12 credits in all enrollments for this course.
R: Approval of department.

898. Practicum in Philosophy of Science
Spring of odd-numbered years. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Approval of department.

899. Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 50 credits in all enrollments for this course.
R: Approval of department.

PHYSICAL EDUCATION AND EXERCISE SCIENCE

PES

Department of Physical Education

and Exercise Science

College of Education

101. Aquatics
Fall, Spring, Summer. 1(0-2)
R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in PES 101 through PES 108.

102. Combat Sports
Fall, Spring, Summer. 1(0-2)
R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in PES 101 through PES 108.

103. Conditioning
Fall, Spring, Summer. 1(0-2)
R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in PES 101 through PES 108.

104. Dance
Fall, Spring, Summer. 1(0-2)
R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in PES 101 through PES 108.

105. Gymnastics
Fall, Spring, Summer. 1(0-2)
R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in PES 101 through PES 108.

106. Individual Sports
Fall, Spring, Summer. 1(0-2)
R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in PES 101 through PES 108.

107. Racquet Sports
Fall, Spring, Summer. 1(0-2)
R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in PES 101 through PES 108.

108. Team Sports
Fall, Spring, Summer. 1(0-2)
R: A student may earn a maximum of 8 credits in all enrollments for this course if different activities or the same activities at higher levels are involved. Students are limited to a combined total of 8 credits in PES 101 through PES 108.