PHILOSOPHY

Department of Philosophy
College of Arts and Letters

130 Logic and Reasoning
Fall, Spring. 3(3-0) Not open to students with credit in PHL 330.
Deductive and inductive reasoning. Topics such as rational argumentation, fallacies, definition, 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 Ancient Greek Philosophy
Fall. 3(3-0)
Philosophical problems of existence, knowledge, and action as addressed in selected readings from the Presocratics, Plato, Aristotle, and Hellenistic philosophers.

211 Modern Philosophy
Spring. 3(3-0) RB: (PHL 210)
Philosophy from the Renaissance through the nineteenth century, including Descartes, Spinoza, Locke, Hume, Kant, Hegel, Kierkegaard and Nietzsche.

320 Existentialism
Fall. 3(3-0) RB: 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
Fall, Spring. 4(4-0)
Formal methods in deductive reasoning. Logic of connectives and quantifiers including identity, functions, and descriptions.

340 Ethics
Fall, Spring. 3(3-0) RB: 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, Spring. 4(4-0) R: Not open to freshmen or 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) R: Not open to freshmen or sophomores.
Ethical dimensions of the relationships between a business and employees, consumers, other businesses, society, government, and the law.

347 Aesthetics
Fall. 3(3-0) RB: 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 Introduction to Social and Political Philosophy
Fall. 3(3-0) RB: One PHL course.
History of social and political philosophy; problems such as obligation, power, oppression, freedom, equality, and community.

354 Philosophy of Law
Fall, Spring. 3(3-0) RB: 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:M: Completion of Tier I writing requirement. R: Open only to sophomores or juniors or seniors in Lyman Briggs School or 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) RB: One PHL course.
Conceptual and normative issues in feminist theory. Topics such as sexism, oppression, coercion, control, power, equality, personhood, respect and self-respect, rape, separatism, community, intimacy, and autonomy.

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

360 Philosophy of Language
Spring. 3(3-0) RB: One PHL course.
Elementary topics in semantics, linguistic pragmatics, and philosophy of language. Meaning, denotation, speech acts, and linguistic relativity.

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

410 Plato
Fall. 4(4-0) RB: (PHL 210) or two other PHL courses.
Selection from Plato's dialogues including political and ethical theory, aesthetics, epistemology, and metaphysics.

411 Aristotle
Spring. 4(4-0) RB: (PHL 210 or PHL 410) or two other PHL courses.
Aristotle's major works and his major contributions to the sciences, metaphysics, ethics, and politics.

413 Continental Rationalism
Fall of odd years. 4(4-0) RB: (PHL 211) or two other PHL courses.
Rationalists of the seventeenth century, with emphasis on Descartes, Spinoza and Leibniz.

414 British Empiricism
Fall of even years. 3(3-0) RB: (PHL 211) or two other PHL courses.
The philosophy that strives to trace all our ideas and beliefs, whether in science, morality, or religion, back to their source in experience. Emphasis on the works of Locke, Berkeley, and Hume.

415 Kant
Spring. 4(4-0) RB: (PHL 211) or two other PHL courses.
Kant's metaphysical and epistemological system, focusing on his 'Critique of Pure Reason'.

416 Hegel
Spring of even years. 4(4-0) RB: (PHL 211 or PHL 415) or two other PHL courses.
Hegel's dialectic and its bearing on both the history of philosophy and issues about science, politics, art and religion.

417 19th Century Philosophy
Fall. 4(4-0) RB: (PHL 210 or PHL 211) or two other PHL courses.
Emphasis on attempts to overcome the limits on human knowledge postulated by Kant. Works by writers such as Fichte, Schopenhauer, Nietzsche, and James.

418 Topics in 20th-Century Analytical Philosophy
Fall. 3(3-0) RB: One PHL course at the 300 level or above.
Issues in the works of such philosophers as Frege, Russell, Moore, Wittgenstein, Carnap, Quine, Austin, and Kripke.

420 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. RB: One PHL course at the 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. RB: One PHL course at the 300 level or above.
A particular problem, topic, or author in nineteenth- and twentieth-century European philosophy, such as Kierkegaard, Husserl, Heidegger, Lukacs, Manheim vs. existentialism, and theories of interpretation.

431 Topics in Philosophy of Logic and Language
Spring of even years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. RB: PHL 330, MTH 472, PHL 360, or LIN 437 SA: PHL 430 Investigation of logical concepts. Philosophical significance of twentieth-century results in logic. Related issues in the semantics and pragmatics of natural language.

432 Logic and its Metatheory
Spring of odd years. 4(4-0) RB: (PHL 130) Not open to students with credit in PHL 330. Logical consequence, first-order predicate logic with identity, including functions and descriptions. Proof theory and model theory. Topics in metatheory such as completeness, compactness, and the Lowenheim-Skolem Theorems. The axiomatic method and Godel's Incompleteness Theorems.

440 Central Issues in Ethics
Spring. 4(4-0) RB: (PHL 340 or PHL 350) 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.

444 Philosophical Issues in Biomedicine
Fall of even years. 4(4-0) RB: (PHL 200 and PHL 344) Philosophically puzzling features of medical research, policy, and practice. Issues in theories of knowledge, personal identity, reference and meaning.

450 Liberal Theory and Its Critics
Spring of even years. 3(3-0) RB: PHL 350 and one other course in PHL Main contemporary figures in the liberal tradition and their critics.

458 Topics in Feminist Philosophy
Fall of odd years. 4(4-0) RB: PHL 356 or WS 401 or two 400-level courses in PHL. Philosophical issues in a framework of feminist politics and critique. Standpoint theories, care/justice ethics, ontological status of genders/races, theories of power/domination, determinism/freedom.

460 Epistemology
Fall. 3(3-0) RB: One PHL course at the 300 level or above. Theories and concepts of knowledge, belief, epistemic justification, certainty, and reason.

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

462 Philosophy of Mind
Fall. 3(3-0) RB: One PHL course at the 300 level or above. Modern theories of the mind, other minds, and the mind’s relation to the body. Theories include dualism, behaviorism, categoricity, reductivity and eliminative materialism, and functionalism.

463 Introduction to Cognitive Science
Spring. 3(3-0) Interdepartmental with Linguistics, Psychology. Administered by Department of Linguistics and Germanic, Slavic, Asian and African Languages. RB: (PHL 462 or LIN 401 or CSE 440 or PSY 200). Cognitive processing of information by animals, humans, and computers. Relevant issues in philosophy, linguistics, psychology, neurophysiology, and artificial intelligence.

474 Aesthetic Theory and Modernism
Fall. 4(4-0) Interdepartmental with English; History of Art; Linguistics and Languages; Music; Romance Languages. RB: Not open to freshmen or sophomores. Problems, assumptions, and arguments of modern aesthetic theory examined in the context of debates over modernity and modernist artistic practice.

480 Philosophy of Science
Fall. 4(4-0) RB: (PHL 330) or a 200 level mathematics or statistics course. Structure of scientific theories and explanation. Causation, prediction, induction, confirmation, discovery, and scientific progress.

484 Philosophy of Biological Science
Spring. 3(3-0) RB: Three courses in biological science or two PHL courses. Philosophical and methodological issues in biology. Topics such as functional explanation, classification, the structure of evolutionary theory, reductionism, observation and measurement, or value-neutrality.

485 Philosophy of Social Science
Spring. 3(3-0) RB: Three courses in social science or two PHL courses. Explanations, theories, and concepts in social science. Topics such as historicism; reductionism; rationality and relativism; comparison of logical empiricism, interpretive, and critical theory approaches.

486 Biotechnology in Agriculture: Applications and Ethical Issues
Fall of even years. 3(3-0) Interdepartmental with Horticulture; Crop and Soil Sciences; Forestry. Administered by Department of Horticulture. RB: (BOT 105 or BS 111) RB: (CS 350 or ZOL 341) R: Not open to freshmen or sophomores. Current and future roles of biotechnology in agriculture: scientific basis, applications. Environmental, social, and ethical concerns.

490 Independent Study
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of department. Supervised special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

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. Special topics supplementing regular course offerings, proposed by faculty on a group study basis.

492 Seminar for Majors (W)
Fall. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. P:M: Completion of Tier I writing requirement. RB: 16 credits in Philosophy. R: Open only to juniors or seniors in the Department of Philosophy or approval of department. Advanced, variable topic seminar for undergraduate majors. Seminar presentations. Substantial paper.

499 Senior Thesis Research (W)
Fall, Spring. 3(3-0) P:M: Completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Philosophy. Approval of department. Individual research project supervised by a faculty member that demonstrates the student's ability to do independent research and submit or present a major paper.

800 Proseminar in Philosophy
Fall. 3(3-0) R: Open only to master's students in the Department of Philosophy or approval of department. The practice of graduate and professional work in philosophy: reading, writing, presentation, critique and revision; rigor of argument and clarity of expression; areas and methods of inquiry; cooperation and dialogue in inquiry; conferences, professional activities, and employment.

801 Teaching Philosophy
Spring. 3(3-0) R: Open only to Ph.D. students in Philosophy or approval of department. Theoretical and pedagogical issues in teaching philosophy: the nature of philosophy, designing a course and syllabus, lecturing, leading discussions, designing assignments, evaluation, classroom dynamics, using technology, teaching various areas of philosophy.

810 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: Open only to graduate students in Philosophy or approval of department. Major thinkers, themes, periods, or movements in the history of philosophy.

820 Seminar in Continental Philosophy
Fall of even years. 2 to 4 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Open only to graduate students in Philosophy or approval of department. Major figures or themes in 19th and 20th century continental philosophy.

212
889 Master’s Thesis Research
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.

Directed research leading to a master’s thesis in partial fulfillment of Plan A master's degree requirements.

999 Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 75 credits in all enrollments for this course. R: Approval of department.

Doctoral dissertation research.

PHYSICAL MEDICINE PMR AND REHABILITATION

Department of Physical Medicine and Rehabilitation
College of Osteopathic Medicine

590 Special Problems
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 24 credits in all enrollments for this course.

Each student works under faculty direction on an experimental, theoretical or applied problem in physical medicine and rehabilitation.

601 Physical Medicine and Rehabilitation Clerkship
Fall, Spring, Summer. 2 to 12 credits. Fall: Michigan Capital Med. Spring: Michigan Capital Med. A student may earn a maximum of 12 credits in all enrollments for this course.

Physical medicine and rehabilitation inpatient and ambulatory setting clinical experience, didactic sessions, case documentation and presentation, hospital rounds. Strong emphasis on evaluation of neuromusculoskeletal disorders and treatment of function deficits.

620 Directed Studies
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to juniors or seniors in the College of Osteopathic Medicine.

Completion of Semester 6 in the graduate-professional program.

Individual or group projects on special problems related to physical medicine and rehabilitation.

806 Advanced Neurosciences Techniques Laboratory
Spring. 3(0-9) Interdepartmental with Neuroscience; Psychology; Pharmacology and Toxicology; Radiology. Administered by Program in Neuroscience. RB: (PHM 827) R: Open only to doctoral students in the Neuroscience major.

Methods and underlying principles of neuroscience research.