Pharmacology and Toxicology (A Graduate Group)

203. Principles of Pharmacology and Toxicology III (4)
Lecture—4 hours prerequisite: courses 201 and 202. Integrated physiological systems, cardiovascular and nervous systems and how drugs and toxicants act to perturb function.—III. (III.) Berman, Gelli 230. Advanced Topics in Pharmacology and Toxicology (1-3)
Lecture/discussion/seminar—1 hour each (course format can vary at option of instructor). Prerequisite: course 201 and consent of instructor. In-depth cover- age of selected topics for graduate students in Pharmacology-Toxicology and related disciplines: topics determined by instructor in charge for each quar- ter.—I, II, III, (I, II, III). 277. Life and Death Decisions at the Cellular Level (2)
Lecture—2 hours. Prerequisite: undergraduate or graduate introductory course in cell biology (such as Biological Sciences 104), and general biochemistry (Molecular Cellular Biology 121 or 122) required; restricted to graduate standing or consent of instructor. Fundamental concepts in cell signaling; signaling pathways as related to cell death and a variety of human diseases including cancer, Alzhei- mer’s, and Parkinson’s.—III. (III.) Goldkorn 290. Seminar (1)
Current topics in pharmacology and toxicology. (S/U grading only)—I, II, III. (I, II, III). 290C. Advanced Research Conference (1) Lecture/discussion. Provide credit for participation in and attendance at research conferences. May be repeated three times for credit. (S/U grading only)—I, II, III, (I, II, III) Puschner 299. Research (1-12)
(S/U grading only)

Philosophy

[College of Letters and Science]
David Copp, Ph.D., Chairperson of the Department
Department Office. 1240 Social Sciences and Humanities Building

Faculty
Aldo Antonelli, Ph.D., Professor
David Copp, Ph.D., Distinguished Professor
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James R. Griesemer, Ph.D., Professor
Elaine M. Landry, Ph.D., Professor
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Robert May, Ph.D., Professor
Robert Millstein, Ph.D., Professor
Bernard Molyneux, Ph.D., Associate Professor
Marina A. L. Oshana, Ph.D., Professor
Adam Sennett, Ph.D., Associate Professor
Jan Szafir, Ph.D., Professor

Emeriti Faculty
William H. Bossart, Ph.D., Professor Emeritus
Gerald Dworkin, Ph.D., Distinguished Professor Emeritus
Joel I. Friedman, Ph.D., Professor Emeritus
Neal W. Gilbert, Ph.D., Professor Emeritus
Michael Jubeck, Ph.D., Professor Emeritus
John F. Malcolm, Ph.D., Professor Emeritus
Paul Teller, Ph.D., Professor Emeritus
Michael V. Wedin, Ph.D., Professor Emeritus
George Wilson, Ph.D., Professor Emeritus

The Major Program
Pharmacology addresses problems and questions that arise in all areas of human thought and experience and in all disciplines. Recurring questions about the nature of value, the good life, right conduct, knowledge, truth, language, mind, and reality are central to philosophical study. Philosophy also investigates the methodologies and assumptions of the major dis- ciplines in the university in order to deepen our understanding of the sciences, of mathematics, art, literature, and history, and of religion and morality. It leads us to address issues about the nature of these subjects, about the methods of reasoning characteristic of them, and about the contributions they make to our understanding and our world.

Philosophy contributes to the liberal education of its students. The department emphasizes an analytic approach to philosophical questions, which trains students to understand and evaluate arguments and to think and write precisely and clearly. These skills are of immense value in a variety of careers.

The Program. The Department of Philosophy offers courses in such areas as the theory of knowledge, metaphysics, logic, ethics, and political philosophy. In addition, upper division courses are offered in moral and political philosophy, and aesthetics, and in the philosophy of religion, of mind, of language, of mathematics, of law, and of the physical, biological, and social sciences.

The problems of philosophy have important roots in the past. The history of philosophy is important not only as part of the heritage of educated persons, but also because it is relevant to contemporary issues. For these reasons, the department places great emphasis on the history of philosophy, providing courses on the major figures and traditions of western philosophy.

Career Alternatives. Students of philosophy learn to understand and evaluate arguments to think and write precisely and clearly. These analytical skills are assets in any career. Many of our majors have pursued graduate study in philosophy and have become philosophers in their own right. Others have pursued academic careers in related disciplines in the humanities and social sciences. Philosophy majors are well prepared for law, business, or other professional schools and have found careers in computer programming, government service, teaching, the ministry, and social work.

A.B. Major Requirements:

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Preparatory Subject Matter: 16 One course from any of the following areas: 12

(a) General Philosophy: Philosophy 1
(b) Ancient Philosophy: Philosophy 2
(c) Early Modern Philosophy: Philosophy 22
(d) Philosophy of Mind: Philosophy 13 and 13G
(e) Ethics: Philosophy 14, 15 or 24
(f) Philosophy of Science: Philosophy 30, 31, 32 or 38
(g) Philosophy of Language: Philosophy 17
(h) Metaphysics: Philosophy 101
(i) Theory of Knowledge: Philosophy 102

Depth Subject Matter: 36

Upper division units in Philosophy: 36
Note: Philosophy 101 and 102 may not be counted toward both preparatory and depth subject matter units.

Total Units for the Major: 52

Minor Program Requirements: Students wishing to minor in Philosophy may choose a general minor or a minor specializing in logic. There are no specific course requirements for the general minor, so students may create a program to suit their own interests. The range of choice in the logic specialization is limited to the courses listed.

Minor Program: 20

Twenty upper division units in philosophy. Philosophy 12 may be substituted for four of the upper division units.

Quarter Offered: Fall, Winter, Spring, Summer

Pre-Fall 2011 General Education (GE): ArtHum—Arts and Humanities; SciEng—Science and Engineering; SocSci—Social Sciences; DivDom—Domestic Diversity; Writ—Writing Experience
Fall 2011 and on Revised General Education (GE): A+H—Arts and Humanities; SE—Science and Engineering; SS—Social Sciences; ACH=American Cultures; DD=Domestic Diversity; OI=Oral Skills; QL=Quantitative; SL=Scientific; VL=Visual; WC=World Cultures; Writ=Writing Experience