447. Philosophy of Mind
Winter, Spring, 4(4-0) Three credits in philosophy at 300 level or higher or 9 credits in philosophy or approval of department.
Examines classical and contemporary treatments of such concepts as "mind", "self", "intentionality", "mental act", and associated problems (the body-mind relation, "thinking" machines, the connection of thought with action, etc.).

460. Moral and Political Issues
Fall, Spring, 4(4-0) Three credits in philosophy at 300 level or higher or 9 credits in philosophy, or approval of department.
Philosophical aspects of such issues as freedom of speech and action, civil disobedience, violence, war, justice and equality, human rights and punishment.

461. Ethical Issues in Nursing
Winter, 2(2-0) PHL 340 or approval of instructor.
Application of ethical analysis, principles, and reasoning to such topics as parentalism, truthfulness, coercion, confidentiality, and autonomy in the nursing context.

471. Philosophy of Mathematics
Spring, 4(4-0) PHL 337 or MTH 471 or approval of department.
An analysis of the nature of mathematical truth. The theories of logicism, formalism, intuitionism, and conventionalism are critically examined.

480. The Nature of Scientific Theory and Explanation
Winter, 4(4-0) PHL 337 or approval of department.
Topics such as: the logical structure of scientific theories, empirical meaningfulness and testability, deductive and probabilistic explanation, prediction.

481. Foundations of Scientific Inference
Spring, 4(4-0) PHL 337 or approval of department.
Topics such as: discovery vs. validation of theories, probability, induction and confirmation theory.

484. Philosophy of Biological Sciences
Winter, Spring, 4(4-0) Nine credits in science or approval of department. Interdepartmental with and administered by Lyman Briggs School.
Methodological notions and problems of the biological sciences such as: observation and measurement, classification, teleological and functional explanation, teleological systems, emergenstism, vitalism, value neutrality.

485. Philosophy of the Social Sciences
Spring, 4(4-0) Three credits in philosophy at 300 level or higher or 9 credits in philosophy or 9 credits, other than basics, in social science or approval of department.
Selected problems in the methodology of the behavioral sciences, including such topics as: concept formation and theory construction, explanation and insight, subjectivity and value judgments, emergence and teleology, historicism, reductionism, measurement, and statistical inference.

490. Individual Reading
Fall, Winter, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.
Supervised reading on a particular author or topic.

494. Special Topics
Fall, Winter, Spring, 2(2-0) to 6(6-0) May reenroll for a maximum of 12 credits if different topics are taken. Approval of department.
Intensive study of some particular problem or author in philosophy.

495. Preseminar
Winter, Spring, 1 credit. May reenroll for a maximum of 4 credits. Junior. Fifteen credits in philosophy or approval of instructor.
Each section will examine a particular topic or author. Emphasis on discussion of student papers.

505. Business Ethics
Spring, 4(4-0) Graduate student in the College of Business or approval of instructor. Interdepartmental with General Business—Business Law Programs.
Ethical dimensions of such topics as corporate responsibility, preferential hiring, profit and taxation, deception and bribery, self-regulation versus government regulation, "whistleblowing", and advertising. Readings from philosophical and business sources.

825. Seminar in the History of Philosophy
Fall, Winter, Spring, 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.

830. Seminar in Ethics
Winter, Spring, 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.

837. Seminar in Logic
Fall, 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.

841. Seminar in Epistemology
Fall, Winter, Spring, 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.

845. Seminar in Metaphysics
Fall, Winter, Spring, 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.

860. Seminar in Social Philosophy
Spring, 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.

870. Seminar in the Philosophy of Language
Fall, 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.
Concrete bases of language and nature of meaning.

880. Seminar in Philosophy of Science
Fall, Winter, 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department.

890. Graduate Reading Course
Fall, Winter, Spring, Summer. 1 to 10 credits. May reenroll for credit. Approval of department.
Supervised reading course for advanced graduate students for more thorough investigation of special fields.