PHILOSOPHY (PHILOS)

**PHILOS 1105 Introduction To Philosophy** (LEC 3.0)
An historical survey of the major approaches to philosophical problems, especially those of the nature of reality, human nature, and conduct. Prerequisite: Entrance requirements.

**PHILOS 1110 Practical Reasoning** (LEC 3.0)
An introduction to the study of non-formal reasoning. The course examines the subtle ways that the form in which information is presented can color the way that information is understood. Prerequisite: Entrance requirements.

**PHILOS 1115 Introduction To Logic** (LEC 3.0)
A study of the basic rules of both formal and symbolic logic, including types of argumentation, methods of reasoning, valid reasoning, inductive and deductive reasoning as used in the sciences and in communication in general. Prerequisite: Entrance requirements.

**PHILOS 1130 Introduction to Ethics** (LEC 3.0)
A complex and rich tradition in philosophical thought, Ethics - from the Ancient Greeks up into contemporary thought philosophers - returns again and again to discuss theories in proper behavior. No previous exposure to philosophy is required.

**PHILOS 1175 Comparative Religious Philosophy** (LEC 3.0)
A comparison of the philosophic ideas and foundations of the major Eastern and Western religions. Prerequisite: Entrance requirements.

**PHILOS 2000 Special Problems** (IND 0.0-6.0)
Problems or readings on specific subjects or projects in the department. Consent of instructor required.

**PHILOS 2001 Special Topics** (LEC 0.0-6.0)
This course is designed to give the department an opportunity to test a new course. Variable title.

**PHILOS 3000 Special Problems** (IND 0.0-6.0)
Problems or readings on specific subjects or projects in the department. Consent of instructor required.

**PHILOS 3001 Special Topics** (LAB 1.0 and LEC 3.0)
This course is designed to give the department an opportunity to test a new course. Variable title.

**PHILOS 3205 History Of Philosophy II** (LEC 3.0)
A study of selected philosophical works from Descartes to Hegel to Kant emphasizing the problems of knowledge and reality. Prerequisite: An introductory (below 2000) level Philosophy course.

**PHILOS 3223 Bioethics** (LEC 3.0)
This course covers several areas of ethical interest in biotechnology, medicine, and medical care. Topics may include stem-cell research, cloning, genetic engineering, reproductive issues, pharmaceutical ethics, privacy, physician-assisted suicide, patient rights, human and animal experimentation, and resource allocation. Prerequisite: Introductory level (below 2000) Philosophy course.

**PHILOS 3225 Engineering Ethics** (LEC 3.0)
Engineering ethics, examines major ethical issues facing engineers in the practice of their profession: the problem of professionalism and a code of ethics; the process of ethical decision-making in different working environments; the rights, duties, and conflicting responsibilities of engineers. Prerequisite: An introductory (below 2000) level philosophy course.

**PHILOS 3235 Business Ethics** (LEC 3.0)
Develop ethical concepts relevant to deciding the moral issues that arise in business. Topics include: Economic systems, government regulations, relations to external groups and environment, advertising, product safety and liability, worker safety and rights, rights and responsibilities of business professionals. Prerequisite: An introductory (below 2000) level philosophy course.

**PHILOS 3254 Symbolic Logic in Argumentation** (LEC 3.0)
An introduction to sentential and predicate logic with an emphasis on the latter. It will include metatheoretic discussions of both syntax and semantics with a focus on various techniques used to examine logical relationships within an artificial language. Prerequisite: Any introductory 1000-level philosophy course. Philos 1115 is recommended.

**PHILOS 3302 Medieval Philosophy** (LEC 3.0)
A critical study of the important philosophies of the period from Augustine to the Renaissance. Although there is no formal prerequisite, it is recommended that students have taken at least one other philosophy course. Prerequisites: A previous class in philosophy is recommended.

**PHILOS 4000 Special Problems** (IND 0.0-6.0)
Problems or readings on specific subjects of projects in the department. Consent of instructor required.

**PHILOS 4001 Special Topics** (LEC 0.0-6.0)
This course is designed to give the department an opportunity to test a new course. Variable title.

**PHILOS 4320 Minds And Machines** (LEC 3.0)
The course will be centered on the topic of artificial intelligence and the problems raised by contemporary attempts to simulate human thinking and perception in machines. Special emphasis will be placed on recent developments in psychology, physiology, cybernetics and computer technology. Prerequisite: Any introductory (below 2000) level philosophy course.

**PHILOS 4325 Epistemology: Knowledge and Justification** (LEC 3.0)
An introduction to the field of epistemology, the study of the scope, the limits, the sources, and the nature of knowledge and justified belief. Includes analyses of knowledge and justification, skepticism, scientific knowledge, and naturalism, among other topics. Prerequisite: Any 1000 or higher level philosophy course. Philosophy 1105 recommended.

**PHILOS 4333 American Philosophy** (LEC 3.0)
A study of American philosophical development with emphasis upon the "Classical Age of American Philosophy", i.e., Pierce, James, Dewey, Royce, Santayana and Whitehead. Prerequisite: An introductory (below 2000) level Philosophy course.

**PHILOS 4335 Philosophy Of Religion** (LEC 3.0)
A consideration of the major presuppositions of western theism, such as the existence of god and the cognitive meaningfulness of religious language. Prerequisite: Any introductory (below 2000) level philosophy course.

**PHILOS 4340 Social Ethics** (LEC 3.0)
Discussion of ethical issues confronting society and the arguments offered for alternative laws and public policies. Topics might include: freedom of speech/action, government regulation, welfare, capital punishment, euthanasia, abortion, the environment, affirmative action, just wars, foreign aid, world hunger. Prerequisite: Any lower level ethics course.
PHILOS 4345 Philosophy Of Science (LEC 3.0)
An examination of the fundamental methods and assumptions of the sciences, with emphasis on scientific reasoning and theories. Prerequisite: Any introductory (below 2000) level philosophy course.

PHILOS 4350 Environmental Ethics (LEC 3.0)
Study of the complex moral issues concerning our relationship to the environment and the ethical foundations of our environmental responsibilities. Discussion topics include: conservation, preservation, resource development, pollution, toxic substances, future generations, endangered species, regulation, zoning, takings, etc. Prerequisite: Any introductory (below 2000) level philosophy course.

PHILOS 4354 Mathematical Logic I (LEC 3.0)
A mathematical introduction to logic with some applications. Functional and relational languages, satisfaction, soundness and completeness theorems, compactness theorems. Examples from Mathematics, Philosophy, Computer Science, and/or Computer Engineering. Prerequisite: Philos 1115 with junior standing or Math 5105 or Comp Sci 2500 or Comp Eng 2210. (Co-listed with Comp Eng 5803, Comp Sci 5203 and Math 5154).

PHILOS 4360 Foundations Of Political Conflict (LEC 3.0)
This course is designed as a survey of the philosophical foundation of major political systems. For example, communism, fascism, democracy. Materials will be drawn from relevant historical and/or contemporary sources. Prerequisite: Any introductory (below 2000) level Philosophy course.

PHILOS 4368 Law and Ethics in E-Commerce (LEC 3.0)
Provides the ethical framework to analyze the ethical, legal, and social issues that arise for citizens and computer professionals regarding the computerization of society. Topics include: free speech, privacy, intellectual property, product liability, and professional responsibility. (Co-listed with IS&T 5168).

PHILOS 4399 Topics In Philosophy (LEC 3.0)
An intensive course designed for students with a special interest in philosophy. The content of the course may vary and the course may be repeated for additional credit. Prerequisite: An introductory (below 2000) level Philosophy course.

PHILOS 5000 Special Problems (IND 1.0-3.0)
Problems or readings on specific subjects or projects in the department. Consent of instructor required.

PHILOS 5001 Special Topics (IND 1.0-3.0)
This course is designed to give the department an opportunity to test a new course. Variable title.