

venue, and 8 or more hours the final week—approximately 48 hours of actual contact time for the course. Prerequisite: membership in Wesleyan Singers. Offered each Winter Session.

300 Chamber Music (2)

Students explore the body of chamber music written for their instrument and select and prepare a chamber music composition for performance with a professional ensemble. A weekly one-hour coaching session offers rehearsal strategies as well as discussion of musical ideas and interpretations. In addition, students prepare a listening journal that documents their listening experiences and generate an annotated bibliography of chamber music compositions for their instrument. A \$250 applied music fee is charged.

PHILOSOPHY

DR. STEVEN M. EMMANUEL, Program Coordinator
 DR. PATRICK A. GOOLD
 DR. LAWRENCE D. HULTGREN
 DR. R. CATHAL WOODS

Philosophy in the Curriculum

The Greek word philosophia ('philosophy') is a compound term which derives from the roots philein ('to love') and sophia ('wisdom') and is commonly translated 'love of wisdom.' For Socrates, and those who followed his example, the love of wisdom took the form of a disciplined reflection about human life and conduct. Convinced that intellectual and moral integrity go hand in hand, Socrates raised fundamental questions about the nature of justice, virtue, and the good life. Proceeding by careful analysis and rigorous dialectic, he sought a knowledge of reality on which to establish a firm foundation for making sound moral judgments. Though philosophical practice has taken many different forms over the centuries, the conception of philosophy as a process of critical inquiry aimed at a deeper understanding of self and world remains the dominant one.

In keeping with the ideal of a liberal arts education, the study of philosophy promotes the development of analytical, critical, and interpretive abilities that are important for life in general. Properly pursued, philosophical study cultivates the appetite and capacity for self-examination and reflection, for the open exchange and debate of ideas, for responsible and intelligent participation in community affairs, and for lifelong learning.

The program in philosophy is designed to provide students with a coherent intellectual structure of study, while acquainting them with the broad diversity of ideas and approaches within the Western philosophical tradition and beyond. The curriculum covers significant periods and prominent figures in the history of intellectual thought, as well as the central subfields of philosophy and their distinctive problem sets. Though the department recognizes that philosophy is a valuable preparation for careers in

many fields, its approach to teaching reflects a basic commitment to the idea that philosophy is best thought of as a practice and way of life.

Major Requirements

COURSE NUMBER AND TITLE	SEM. HRS.
18 HOURS MUST BE AT THE 300/400 LEVEL	
Two of the following: PHIL 101 Individual and Society PHIL 102 Contemporary Moral Issues PHIL 104 The Examined Life PHIL 212 Types of Ethical Theory PHIL 221/321 Ethics and Health Care PHIL 253 Social and Political Philosophy PHIL 272/372 Beyond the Western Tradition PHIL 304 Environmental Ethics	6
PHIL 109 Critical Reasoning	3
PHIL 209 Methods of Logic	3
PHIL 332 Ancient Philosophy	3
PHIL 336 Early Modern Philosophy	3
One of the following: PHIL 334 Medieval Philosophy PHIL 338 19th-Century Philosophy PHIL 340 20th-Century Philosophy PHIL 350 Existential Philosophy	3
PHIL 400 Philosophy Seminar	3
Additional courses in philosophy	6
TOTAL	30

Students majoring in philosophy who transfer credit for philosophy courses taken at other institutions should consult with the departmental coordinator to determine how that credit is to be applied.

Minor Requirements

COURSE NUMBER AND TITLE (See p. 32 for general minor requirements)	SEM. HRS.
There are no special requirements for the philosophy minor. Students must take six courses, and provide a brief written rationale of the courses taken. The following tracks provide ready-made sequences of study, and also serve as examples of how you might put together your own chosen sequence. You are free to follow these pre-made tracks, or to make your own selections in whatever way best suits your interests and complements your major.	18
TOTAL	18

Minor Tracks**Intellectual History Survey**

A track in intellectual history can easily be constructed from the department's historical offerings, which cover the history of Western thought from ancient Greece to the present. A sequence of this kind begins with the survey course PHIL 110 and culminates in a senior seminar PHIL 400 devoted to an in-depth study of a particular thinker or set of questions. In-between students can take any of the courses in particular periods of history. This kind of track is of special interest to history majors.

COURSE NUMBER AND TITLE	SEM. HRS.
PHIL 110 Perennial Questions	3
PHIL 332 Ancient Philosophy	3
PHIL 336 Early Modern Philosophy	3
PHIL 337 The Enlightenment	3
PHIL 340 20th Century Philosophy	3
PHIL 400 Philosophy Seminar	3
TOTAL	18

Meaning, Value and Culture

The MVC track focuses on the perennial search for meaning in life. These courses challenge students to reflect on what it means to live an examined life, and to consider the role that culture plays in determining your values. You read and discuss a variety of theories about human nature,

ponder questions about the origin and ultimate purpose of human existence, and grapple with modern philosophical problems concerning the nature of selfhood, freedom and choice.

COURSE NUMBER AND TITLE	SEM. HRS.
PHIL 104 The Examined Life	3
PHIL 211 The Human Condition	3
PHIL 215 Philosophy of Religion	3
PHIL 292 Alternative Futures	3
PHIL 350 Existential Philosophy	3
PHIL 372 Beyond the Western Tradition	3
TOTAL	18

Ethics, Society, Law

The department of philosophy offers many courses beneficial to anyone thinking of law, public policy or politics, or anyone interested in practical ethics.

Critical thinking skills, essential to the study of law and public policy, are offered in PHIL 109 and 209. The department also offers an introductory course on the individual in society, and a course in the different ethical theories (PHIL 212) which people often appeal to when debating. There's also a course in the political and ethical ideas that underlie public policy debates (PHIL 253/353) such as the inevitable conflict between individual autonomy and political authority. We even have a course on the future of human society! (PHIL 292/392).

Finally, there are a number of courses in topical issues, beginning with the survey course PHIL 102, followed by three specific courses: environmental philosophy (PHIL 304), medical ethics (PHIL 212/312), and the impact of technology (PHIL 402).

So, if you are interested in ethical issues, your sequence could look like this: **ETHICS**

COURSE NUMBER AND TITLE	SEM. HRS.
PHIL 102 Contemporary Moral Issues	3
PHIL 109 Critical Reasoning	3
PHIL 212 Practical Ethics	3

See continuation of choices next page

Chart continued from previous page

PHIL 221/321 Ethics & Health Care	3
PHIL 304 Environmental Ethics	3
PHIL 402 Thinking about Technology	3
TOTAL	18

If your major is sociology, or you're interested in public policy, you could put together a sequence like this: **SOCIETY**

COURSE NUMBER AND TITLE	SEM. HRS.
PHIL 101 Individual and Society	3
PHIL 109 Critical Reasoning	3
PHIL 253/353 Social & Political Philosophy	3
PHIL 292/392 Alternative Futures	3
Additional topical courses in ethics	6
TOTAL	18

Or if you are thinking of law, these would make a good set: **LAW**

COURSE NUMBER AND TITLE	SEM. HRS.
PHIL 109 Critical Reasoning	3
PHIL 209 Methods of Logic	3
PHIL 212 Practical Ethics	3
PHIL 253/353 Social & Political Philosophy	3
PHIL 292/392 Alternative Futures	3
Additional topical course	3
TOTAL	18

Philosophy Courses (PHIL)

101 Individual and Society (3) (V)

An introduction to philosophy as critical thinking and analysis (the ability to reason well and willingly) through an examination of questions of human value(s). Students learn how to recognize and analyze the values by which they live, examine the issues of self and society, and learn how to

develop a philosophical skill in seeing the basic values which influence these personal and social issues. Offered each fall.

102 Contemporary Moral Issues (3) (V)

Introduces the practice of moral reasoning through the study of representative moral theories and their application to controversial issues in contemporary life. Students develop the critical and analytical skills required for thinking clearly about moral problems and forming their own conclusions about them. Offered each spring.

104 The Examined Life (3)

Introduces the practice of philosophizing through close reading and discussion of Socratic dialogues, including *Euthyphro*, *Laches*, *Lysis*, *Meno*, *Theatetus*, *Symposium* and *Republic*. The course engages with the substance of Socrates's peculiar questioning, (What is piety, courage, friendship, justice, virtue, knowledge, and so forth) but also reflects on the sort of knowledge that Socrates seeks, how he searches for it, and why he thinks this activity is necessary for a well-lived life. Offered each fall.

109 Critical Reasoning (3) (C)

The structure of the philosophical essay is examined after a brief introduction to some basic principles of logic. Teaches students how to write clearly and precisely. Offered each fall.

110 Perennial Questions (3)

A critical examination of several great issues which confront us in modern philosophical thought including the question of the existence of God, the nature of ultimate reality, the sources of human knowledge, the principles of moral values, and the problems of aesthetic judgments. Offered each spring.

209 Methods of Logic (3)

A continuation of Phil 109, this course is an introduction to first-order logic. Primary emphasis is placed on the translation of ordinary language into symbolic notation and the application of formal proof techniques. The presentation of formal methods concludes with a brief examination of selected questions in philosophical logic. Offered each spring.

211 The Human Condition (3)

A critical exploration of the possible meanings of "human being," and how individuals might interpret their own existence. Selected literary, scientific, and philosophic accounts of being human are studied and criticized. Offered intermittently.

212 Practical Ethics (3)

Explores the potential of moral reasoning as a tool for conflict resolution and consensus building. Through a series of practical exercises, students learn to use moral argumentation as a means of fostering constructive dialogue and mutual understanding. Students develop the ability to

listen carefully, distinguish real from apparent disagreements, discover common ground, and find creative solutions to moral problems. Prerequisite: PHIL 102. Offered intermittently.

215 Philosophy of Religion (3) (V)

Addresses some major questions that have emerged in the history of philosophy concerning the justification of theistic belief, the meaning of religious language, the nature of miracles, and mystical experience. Offered on demand.

221/321 Ethics & Health Care (3) (V)

Foregoing life-sustaining treatment...procurement of organs and tissue for transplantation...artificial reproduction...allocation of scarce health resources...AIDS: public health vs. private rights. Such issues in health care confront all of us at some time both as matters of individual concern and as issues of public policy. Students study the ethical principles that should undergird decisions in health care. It focuses on the application of ethical principles to concrete cases. Offered each spring.

253/353 Social & Political Philosophy (3)

A survey of important themes in the history of social and political philosophy. Topics for discussion include: strategies for social change, the nature of political authority, the autonomy of the individual, anarchism, and democracy. Readings are drawn from classical and contemporary sources. Offered spring of even-numbered years.

272/372 Beyond the Western Tradition (3) (V)

We live in a world characterized by multiplicity, plurality, and difference. Students are provided with the opportunity to enter into frames of reference of people with differing experiences of, and assumptions about, the world. We are educated in this world to the degree that we are aware of our own boundedness, and that we become skilled in critically understanding and integrating the perspectives of others. Examines the beliefs of Native Americans, West Africans, Chinese thinkers, and philosophers of India. Offered each spring.

292/392 Alternative Futures (3)

Is there hope for HUMAN beings? Can we forecast futures as other than more of the same? What choices might we exercise in shaping futures? After initial reflections on the human prospect, students working in groups are responsible for conjecturing sensibly and usefully about possible alternative futures. Topics include: future shock, coping, population, resources, war, environment, and genetic engineering. Offered intermittently.

304 Environmental Ethics (3) (V)

From ancient Sumer to the present, ecological realities have required human beings to reflect on their values and their responsibilities to nature. Students examine the relevance of philosophy to environmental questions and, in particular, explore the connection between the environment and ethics. Offered each fall. Identical to ENV5 304.

310 Theory of Knowledge (3)

What is the basis of our knowledge about the world, other people, ourselves? Focusing on work done in the 20th century, students examine some recent theories about the nature of human knowledge, as well as the related concepts of truth, justification, and belief. Offered spring of odd-numbered years.

316 Needs of the Soul (3) (V) (Winter Session)

Discusses the meaning of history, the proper function of politics, religion, and culture, the nature of the human condition, and the true needs of human beings with constant reference to the writings of three writers of the middle 20th Century: Simone Weil, Simone de Beauvoir and Hannah Arendt. Prerequisite: at least three semester hours in philosophy or consent. Offered in selected Winter Sessions.

328 Buddhist Philosophy (3) (V)

Introduces the major themes in Buddhist philosophy. Readings and lectures are aimed at understanding the way Buddhist thinkers approach questions in ethics, epistemology, metaphysics, philosophy of mind. Course readings are drawn from various canonical sources that record the teachings of the historical Buddha. These are supplemented by additional readings that discuss the development of these teachings in various schools of Buddhist thought. Special emphasis is placed on the Mahayana and Zen Buddhist traditions. Prerequisite: 100/200-level philosophy course or consent. Offered fall of even-numbered years.

332 Ancient Greek Philosophy (3) (H)

A close study of selected texts of Plato and Aristotle. Some Presocratic and Hellenistic philosophers may be considered. Offered each fall.

334 Medieval Philosophy (3)

A survey of representative Christian, Islamic, and Jewish philosophers of the Middle Ages. Special emphasis is placed on the moral and political philosophy of the period.

336 Early Modern Philosophy (3)

Surveys the development of early modern philosophy in light of the scientific background from which it emerged. Major works by Descartes, Leibniz, Spinoza, Locke, Berkeley, Hume, and Kant are supplemented by readings from women philosophers of the period. Offered each spring.

337 The Enlightenment: A Movement and Its Critics (3) (V)W

An examination of the philosophical and cultural movement that came to be called the Enlightenment. The course identifies the constellation of ideas around which the movement coalesced and the tensions and contradictions within that constellation. The arguments of those who directly opposed the enlighteners are considered. A survey

of recent criticisms of Enlightenment ideals and the significance of those ideals for our own time concludes the course. Prerequisite: sophomore status or consent. Offered spring of even-numbered years.

338 19th-Century Philosophy (3)

Surveys major trends in post-Kantian European philosophy. Readings are drawn from the work of Fichte, Hegel, Marx, Kierkegaard, Nietzsche, and others. Offered spring of even-numbered years.

340 20th-Century Philosophy (3)

Surveys major trends in 20th-century philosophical thought, with special emphasis on developments in Anglo-American philosophy. Readings are drawn from the works of Russell, Moore, Wittgenstein, Quine, and others. Offered spring of odd-numbered years.

350 Existential Philosophy (3) (V)

Intensive study of recent phenomenological investigation into human existence. Thinkers such as Kierkegaard, Nietzsche, Heidegger, Sartre, and Merleau-Ponty are discussed. Offered each fall.

385 Problems in Philosophy of Art (3)

Explores central questions in the philosophy of art through reading and discussion of landmark texts in the discipline. Focus is on the question of the nature and function of art. Offered each spring.

400 Philosophy Seminar (3)

An in-depth study of the work of a single major philosopher. The figure selected changes with each offering. Contact the department coordinator for the current selection. Offered intermittently.

402 Thinking about Technology (3)

A critical look at technology and its effects on society. Some of the important ways in which modern technology has changed how we think about ourselves, our obligations to others, and the natural environment are examined. Prerequisite: consent. Offered spring of even-numbered years.

434 Issues in the Study of Happiness (3) (I)

A study of recent research into happiness, what it is, the factors which affect it, and individual and governmental responses. This is an interdisciplinary course which draws on philosophy, psychology, sociology, neuroscience, economics and political science.

PHYSICAL SCIENCE

DR. GARRY E. NOE
DR. DEBORAH E. OTIS, Program Coordinator

PHYSICAL SCIENCE COURSES (PHSC)

100 Introduction to Physical Science (3)

Emphasizes the relevance of physical science in understanding the everyday world, and explores connections between physics and chemistry. Topics include energy, electricity, magnetism, work, heat, light, the nucleus, the atom, chemical bonds, and chemical reactions. Intended for non-science students. Offered each fall.

101 Introduction to Physical Science Laboratory (1)

An introductory physical science lab course to accompany PHSC 100. Students have opportunities to explore principles common to physics and chemistry through hands-on exercises. Designed for non-science students. Prerequisite or corequisite: PHSC 100. Offered each fall.

PHYSICS

DR. GARRY E. NOE, Program Coordinator

Although the college does not offer a physics major, certain physics courses are needed in our science programs. Physics can also serve as an enrichment course for interested students.

PHYSICS COURSES (PHYS)

141 Intro Astronomy—Solar System (3) (E)

Survey of the history of astronomy; the motion of objects in the night sky; gravitation and relativity; telescopes; the sun, planets, moon, meteors, and comets; the origin of the solar system; space exploration; the search for extraterrestrial life. Designed for non-science majors. Offered each fall.

142 Intro Astronomy—Stars and Galaxies (3) (E)

Survey of the history of astronomy; the constellations; the nature of the stars; stellar evolution; white dwarfs, neutron stars, and black holes; the structure and evolution of the Milky Way; other galaxies, quasars; cosmology. Designed for non-science majors. Offered each spring.

143 Introduction Astronomy Lab (1)

A hands-on laboratory experience which complements PHYS 141 and 142. It has four distinct components, each lasting two to four weeks: lunar, planetary, and deep-space observations with a Celestron telescope; analyzing computer simulations, images, and film clips of celestial phenomena; Internet-as-virtual-library exercises; physics experiments in optics and spectroscopy. Prerequisite or corequisite: PHYS 141 or 142. Designed for non-science majors and fulfills the laboratory requirements for students intending to graduate with honors. Offered each spring.