PHILOSOPHY (PHIL)

PHIL 550
Science and Method
This course serves as an introduction to the history and philosophy of science, analyzing the issues and arguments in science from ancient astronomy up through the end of the nineteenth century. It will be cross-listed with Phil 350.
Lecture: 3 **Lab:** 0 **Credits:** 3

PHIL 551
Science and Values
This course will consider questions such as: What role should values play in scientific inquiry? Should scientists consider only epistemic or cognitive values, or should they take into account social and cultural values? Could science be objective and make progress if it is shaped by social and cultural values?.
Lecture: 3 **Lab:** 0 **Credits:** 3

PHIL 560
Ethics
A study of the fundamental issues of moral philosophy.
Lecture: 3 **Lab:** 0 **Credits:** 3

PHIL 570
Engineering Ethics
A study of moral and social responsibility for the engineering profession including such topics as safety, confidentiality, and government regulation.
Lecture: 3 **Lab:** 0 **Credits:** 3

PHIL 571
Ethics in Architecture
A study of the moral problems architects must resolve in the practice of their profession, including problems of confidentiality, candor, esthetics, and economy, arising from the special responsibilities of architects to the public, client, employer, and colleagues.
Lecture: 3 **Lab:** 0 **Credits:** 3

PHIL 573
Business Ethics
Ethical issues relating to individual and corporate responsibility, self and governmental regulation, investment, advertising, urban problems, the environment, and preferential hiring.
Lecture: 3 **Lab:** 0 **Credits:** 3

PHIL 574
Ethics in Computer Science
Moral problems that confront professionals in computer-related fields, including questions raised by the concept of intellectual property and its relationship to computer software, professional codes of ethics for computer use, and responsibility for harm resulting from the misuse of computers.
Lecture: 3 **Lab:** 0 **Credits:** 3

PHIL 580
Topics in Philosophy
An investigation into a topic of current or enduring interest in philosophy, which will be announced by the instructor when the course is scheduled. Graduate standing required.
Lecture: 3 **Lab:** 0 **Credits:** 3

PHIL 581
Artificial Intelligence, Philosophy and Ethics
In the course, we will discuss philosophical and ethical questions related to artificial intelligence (AI) and reflect about possible future developments. The course gives an introduction to the way ethical arguments, concepts and principles are used in debates relating to AI and robots. Topics to be discussed include: What is artificial intelligence? What is the role of algorithmic bias in hiring processes and facial recognition? What would it mean for AI to have capabilities like sentience, emotions, consciousness, or a mind? What are good rules for decision-making in self-driving cars? How do we perceive and talk about AI and robots? What is the moral and legal status of robots?.
Lecture: 3 **Lab:** 0 **Credits:** 3

PHIL 582
Bioethics
How should researchers and society proceed with gene editing technologies, stem cell research, neurotechnology, human enhancement, and the challenges of climate change? In this course we will investigate ethical aspects and social implications of recent developments in the life sciences, biomedical engineering and biomedicine. The course gives an introduction to ethical theories, concepts and principles and the way ethical arguments are used in current debates relating to science and technology.
Lecture: 3 **Lab:** 0 **Credits:** 3

PHIL 597
Special Problems in Philosophy
Advanced topics in the study of philosophy, in which there is special student and faculty interest. Variable Credit: 1-6 Prerequisite: Instructor permission required.
Credit: Variable

PHIL 691
Research and Dissertation
This a research hours course for PhD candidates who need to consult with a philosopher on their dissertation.
Credit: Variable