

PHL 1310: Introduction to Ethics in Science and Engineering

Credits Hours: 4 credits, 3.57 contact hours/week.

Instructor: Daniel Propson, M.A.

Text book: Ethics: History, Theory, and Contemporary Issues. 6th Edition, by Steven M. Cahn and Peter Markie. ISBN-13: 978-0190209803

Specific course information

Survey of canonical works in the history of Western ethical theory providing students a critical understanding of a plurality of viable ideas, principles, and criteria by which to evaluate and judge contemporary issues of ethical concern in the practice of science and engineering.

Prerequisites: N/A

Required course for CS and IT

Course Objectives: Upon successful completion of this course, students should be able to

- Understand ethical theory, professional engineering responsibility, codes of ethics, risk management, ethics in experimentation, conflicts of interest, corporate loyalty, and whistleblowing. [ABET, CS: (e), IT: (e)]

List of Topics:

- History of Western ethical
- Theory of plurality of viable ideas
- Principles
- Criteria
- Issues of ethical concern
- Practice of science and engineering.