

ABET Course Syllabus for MET 387: Engineering Ethics

1. Course number and name: MET 387: Engineering Ethics
2. Credits and contact hours: 2 credit hours, 2 hours per week
3. Instructor's Name: Darryl Fuhrman, EIT
4. Textbook, title, author, and year:
 - *Engineering Ethics 4th ed.*, by Fleddermann; Prentice Hall Publ., 2012.
- a. Other supplemental materials:
 - Software for Internet access,
 - Word processing,
 - Spreadsheet,
 - PDF.
5. Specific course information:
 - a. Brief description of the content of the course (catalog description): This course applies critical thinking to effective workplace and professional performance within mechanical engineering, with ethics as a primary aspect in developing students to be successful engineers. There are two hours of lecture per week. Course will be offered every year. Course will not have an established scheduling pattern.
 - b. Pre-requisites: MET 314.
 - c. Required, elective, or selected elective (as per Table 5-1) course in the program: Required
6. Specific goals for the course:

Introduce students to ethical situations in the professional world.

 - a. Specific outcomes of instruction:
 - the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
 - Student will demonstrate an understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity.
 - a knowledge of the impact of engineering technology solutions in a societal and global context.
 - b. Criterion 3 student outcomes addressed by course:

3i, 3j, 3k
7. Brief list of topics covered:
 - Ethical Terms, Issues
 - Ethical Analyses
 - Ethical Case Studies

- Ethics Mitigation
- Ethics Regulations