

Engineering Ethics

Code: MME 2014

Time Period: Continuous

Form B – Course Revision Form

1

Today's Date:

09/13/2026

2

Your Email:

bbernard@highpoint.edu

3

Please list the appropriate school to oversee this proposal

Engineering

4

When should this proposal take effect?

Please input Semester and Year. E.g. Fall 2027

Fall 2027

5

What type of change do you need to request?

☐

Small Curricular Change

☐

Course Revision

☒

Both

6

What small curricular change would you like to request?

- ☐ Distribution requirements - major
- ☐ Distribution requirements - minor
- ☐ Learning Outcomes Language (edit/update existing language only)
- ☒ Course Prefix / Designator / Number / Name
- ☒ Course Description
- ☐ Adding / Changing Cross Listing
- ☐ Name change of college, school, department, program, center, institute, major, minor, concentration, or track
- ☐ Prerequisites

7

Would you like to apply these changes to additional courses in this program?

- ☐ Yes
- ☒ No

8

What course revision would you like to request?

- ☒ Learning Outcomes (add or remove specific outcomes)
- ☒ Credits
- ☐ Change Course Number (Change to Level)
- ☐ Course Repeat Option
- ☐ Adding or removing an Academic Program
- ☐ Creation of a special topics course or revisions to an existing special topics course
- ☐ Discontinuance of a course

Course Prefix / Designator / Name

1

Changes to course prefix, number, and/or name

Current course prefix, number, and name

MME 2014 Engineering Ethics

Proposed new course prefix and number

MME 2014

Proposed new name

Ethical Systems Thinking

Course Description

1

Changes to course description(s)

Current Course Description (as seen in the UG Bulletin)

This course is designed to introduce undergraduate engineering students to the concepts, theory and practice of engineering ethics. It will allow students to explore the relationship between ethics and engineering and apply normative ethical theory and decision making to engineering issues encountered in academic and professional careers. Our society places a great deal of responsibility on its professionals and requires that they conduct themselves in a manner befitting the place of prominence accorded to them by the community.

Proposed Revised Course Description

Examination of ethical and professional responsibilities in complex, interconnected engineering systems. Ethical consequences often emerge not from single decisions but from how engineered technologies, the organizations deploying them, and the communities and environments they affect interact over time. Beyond applying ethics codes to individual choices, students learn to trace these interactions and redesign such systems more responsibly.

Learning Outcomes Change

1

Please list the revised student learning outcomes for this course in the box below.

- Identify ethical dilemmas embedded in engineering decisions, designs, operations, and organizational processes.
- Apply ethical decision-making frameworks to evaluate tradeoffs in complex, multidisciplinary engineering systems.
- Evaluate how interconnected engineering systems can affect the general public, and how engineering decisions cascade through those systems over time.
- Develop and defend recommendations to redesign engineering systems and organizational processes more responsibly, accounting for affected communities and environments.

2

Please list any revisions to units or content areas that will be required for all sections of this course in the box below.

Add Content Area - Systems Level Thinking

3

If you have Gen Ed learning outcomes, please address the kinds of assessments you may use for each area that you are proposing the course be designated (i.e., Arts, Humanities, Diversity, etc.)

n/a

4

Please list any revisions to course policies that will be required for all sections of this course.

n/a

5

If you would like to specify any revisions to requirements for how contact hours must be met for all sections of this course, please indicate below (e.g., if any experiential learning activities will replace seat time)

n/a

6

If this course proposal affects any other departments, please describe the consultation and approval that you've received and from whom in the box below.

n/a

7

Is there any additional information that you would like to provide for this proposal?

MME students are required to take an "Ethics" course for their Gen Ed Ethical Reasoning and Religious Traditions requirement, of which there are already several good technical choices like Business Ethics, Technology Ethics, or Bio-Medical Ethics which will undoubtedly teach the application of modern professional ethical standards to case studies. This course is therefore restructured to supplement those courses with a systems level analysis that looks past individual decisions to instead analyze and redesign the larger system that allowed the problem in the first place. This way we avoid simply duplicating what the philosophy department is already doing.

8

Sample Syllabus

To upload, please select the *add a new document* link to upload your files. Once uploaded, please select the files within the dropdown menu.

[Syllabus-S28-MME2014-EthicalSystemsThinking.docx](#)

9

Additional documents

NOTE: This is a two-step process.

Please select the *add a new document* link to upload your files. Once uploaded, please select the files within the dropdown menu.

No document was selected.

Credits Change

- 1 Choose the course's revised number of credits from the list below
A standard lecture or lecture/laboratory course is 4 credits.

2

- 2 Please describe the rationale for this change

The MME freshman year was previously 4 courses each 3cr, 2cr, 3cr, 2cr. This was difficult to schedule for students and faculty. The curriculum will work both pedagogically and administratively much better in the newly proposed format with 3 courses of 4cr, 4cr, and 2cr. Same total credits, mostly the same content, just reorganized, and slightly modernized. This specific course was previously 3 credits, but significantly overlapped content taught by the philosophy department Gen Ed curriculum. New course is 2cr which fits easier in student schedules (typical 16cr semester plus this course will be an acceptable 18cr), and the content now has reduced overlap with other ethics courses.

Gen Ed & Academic Program Information

- 1 Is this a revision to meet new Gen Ed requirements?

☐ Yes
☒ No

2

Is this course part of an academic program?

- ☒ This course does not currently fulfill academic program requirements
- ☐ Honors Scholars
- ☐ Service Learning
- ☐ Study Abroad
- ☐ Environmental Studies
- ☐ Latin American Studies
- ☐ Legal Studies
- ☐ East Asian Studies
- ☐ Jewish Studies

3

Does this course, as revised, include any community engagement?

- ☐ Yes
- ☒ No

4

Is this course part of GoGlobal?

- ☐ Yes
- ☒ No

5

Does this course count towards a major or a minor?

- ☒ Yes
- ☐ No

6

Please list the course and whether it is required or electives for the major/minor.

Course Prefix and Number

MME 2014

Name of Major and/or Minor

Mechanical Engineering

Is this a required or elective course?

Required

Course Prefix and Number

MME 2014

Name of Major and/or Minor

Mechatronic Engineering

Is this a required or elective course?

Required

Course Prefix and Number

MME 2014

Name of Major and/or Minor

General Engineering

Is this a required or elective course?

Required

7

Is this course cross listed?

☐ Yes

☒ No

Upload Documentation

1

Please attach any documentation that is needed for this proposal.

To upload, please select the *add a new document* link to upload your files. Once uploaded, please select the files within the dropdown menu.

No document was selected.

Department Chair Feedback

1

Feedback/Comments

Please provide any feedback or comments for the proposer.

2

Today's Date

09/15/2026

DEANS

1

What is your decision regarding this Course Revision form? (Please select a radial button below and also choose the corresponding workflow action on the bottom of this form)

- ☐ Inter-Collegiate : General Education
- ☐ Inter-Collegiate : Honors Council
- ☐ Inter-Collegiate : Non-General Education
- ☐ Inter-Collegiate : Study Abroad
- ☐ Inter-Collegiate : Service Learning
- ☒ Intra-Collegiate
- ☐ Small Change

2

Feedback/Comments

Please provide any feedback or comments for the proposer.

3

Today's Date

09/15/2026

Intra-Collegiate: School EPC Feedback (FOR CHAIR ONLY)

1

COMMITTEE MEMBERS: Please review the form. Once your review is complete, click "Continue Later" at the bottom of the page or "Exit" at the top right of the screen. Do not enter comments or submit the form.

CHAIR: At the committee meeting, present this form and enter the committee's comments into the comment box below, then click "Submit."

[1] One committee member noted - in the syllabus for the SLO #1, the word "dilemma" is written as "dilemmas". Also, later in the ABET accreditation section, the same thing arises.

2

Today's Date

09/29/2026