

A - New Course Proposal V. 7.2022 : Entry # 3064**DEAN Decision**

Approved

Date

09/18/2023

Is this course intracollegiate or intercollegiate?

Intracollegiate

DEAN Comments

Introducing 3 new programs: Mechanical, Mechatronic and General Engineering.

SCHOOL EPC Decision

Approved

Date

10/03/2023

Begin Form**Today's Date**

09/17/2023

Your Name:

Michael Oudshoorn

Your Email:moudshoo@highpoint.edu**Are you a Department Chair?**

Yes

By checking below, I certify that my department chair has seen and approved the new course that I am proposing.

Yes

Please select the appropriate school overseeing this proposal:

Engineering

Which semester is this course to be taught for the first time?

Spring 2025

Information for the Registrar

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MME

Proposed Course Number?

2014

Is this course cross listed?

No

Does this course replace a current course?

No

What is the title of the new course?

Engineering Ethics

Write the catalog description of your proposed course:

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 to the place of prominence accorded to them by the community.

How many credit hours will this course be?

3

How will the course be graded?

Letter grade

Please select the course repeat option for this course:

Not repeatable for credit

What is the offering cycle for this course?

Spring semester

Does your course have any prerequisites?

Yes

Please list all prerequisites this course requires:

MME1005 Introduction to Engineering Design

Is this new course being proposed because of a new or revised major or minor proposal?

Majors:
Mechanical Engineering

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Mechatronic Engineering
General Engineering

Submitted by:
Michael Oudshoorn

Submission date:
9/17/2023

Gen Ed and Academic Programs**Is this course part of Gen Ed?**

- No

Does this course count towards a major or a minor?

Yes

Please list the Major / Minor and if it is Required or Elective

Required: Mechanical/Mechatronic/General Engineering

Is this course part of an academic program?

- This course does not fulfill academic program requirements

Does this course include any community engagement?

No

Does this course participate in the GoGlobal Program?

No

Information for Curriculum Review**Rationale and evidence for new course's consistency with departmental mission:**

This course matches and supports the departmental/program mission by providing students with the necessary background in mechanical engineering in support of the newly proposed programs in Mechanical, Mechatronic and General Engineering. To achieve ABET accreditation for these programs, students must be exposed to breadth and depth within the discipline. All courses either provide foundational content upon which the depth will be built, or provide the depth by utilizing earlier courses. The courses provide students with in-demand skills and knowledge that will prepare them for the workforce.

List all student learning outcomes for this course.

Throughout the semester students will develop an understanding of, and demonstrate their proficiency in the following concepts and principles pertaining to vector mechanics, statics.

1. Students demonstrate ability to give an oral presentation, which is well organized, with a clear purpose.
2. Students demonstrate ability to write a paper, which is well organized, with a stated purpose and clear organization of ideas.
3. Students demonstrate ability to communicate with other students orally, and in the written portions of a presentation.
4. Students demonstrate an understanding of relevant codes of conduct.

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5. Students demonstrate an ability to formulate and defend an appropriate professional engineering ethical position on a relevant engineering issue, demonstrating informed judgment on the issue.
6. Students demonstrate the ability to identify and acquire appropriate resources and apply them to a problem related to engineering ethics.

List any units or content areas that will be required for all sections of this course.

- Engineers: Professionals for the human good
- Responsibility in Engineering
- Engineering in organizations
- The engineers responsibility to assess and manage work
- Engineering in the environment
- Engineering in the global context

List any assignments, tests, or other assessments that will be required for all sections of this course.

May vary

List any readings or other materials that will be required for all sections of this course.

May vary

List any course policies that will be required for all sections of this course.

May vary

If you would like to specify how requirements for 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)

3 hours of lecture per week

Sample Syllabus

- [MME2014-Ethics-for-Engineering.pdf](#)