MECHANICAL ENGINEERING PROGRAM

ABET COURSE SYLLABUS

ME 263 Introduction to Mechanical Engineering For Transfer Students (1 Unit) Required for Transfer Students

Course Description: (2019-2020 Catalog)
Introduction to mechanical engineering and its application in professional practice. Investigation of personal and professional ethics. Familiarization with the ME curriculum including cooperative education and international exchange opportunities. 1 lecture.

Prerequisite Courses: None

Prerequisites by Topic: None

Textbook: (and/or other required material) None

References: None

Course Coordinator/Instructor: Sarah Harding, Lecturer, ME Department

Course Learning Outcomes:
1. Students will explore ethics in the context of being a student and a member of a profession.
2. Students will produce a graduation plan demonstrating a good understanding of the ME curriculum.
3. Students will distinguish between the available concentrations in the ME curriculum.
4. Students will know of the co-curricular activities available as an ME major at Cal Poly.
5. Students will discuss career opportunities in ME.

Relationship of Course to Mechanical Engineering Student Outcomes:
SO 1:
SO 2:
SO 3:
SO 4: Introduce (I)
SO 5:
SO 6:
SO 7:

Topics Covered:
1. Introduction to ethical considerations in engineering.
2. Introduction to the mechanical engineering curriculum
3. Introduction to the mechanical engineering concentrations
4. Mechanical engineering course planning
5. Mechanical engineering career opportunities
6. Engineering exchange opportunities
7. Introduction to mechanical engineering department sponsored co-curricular clubs
8. Mechanical Engineers in Industry: Field Trip/Tour or Guest Speaker

Class/Lab Schedule: One 50-minute lecture per week.

Contribution of Course to Meeting the Professional Component:
(a) College-level mathematics and basic sciences: 0 credits
(b) Engineering Topics: Design 1 credit
(c) General Education: 0 credits
(d) Other: 0 credits

Prepared by: Sarah Harding
Date: 10/15/19