



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

ME Capstone Design II: Product Design Capstone

MECHENG 4906.02

Credit Hours:

2.50

Course Levels:

Undergraduate (1000-5000 level)

Course Components:

Lecture

Course Description:

Second course of 2-semester senior capstone series. Complete work on design problem proposed by faculty. Emphasis on detailed design, prototype, evaluation, documentation.

Prerequisites and Co-requisites:

Prereq: 4906.01, and enrollment as MechEng-BS Student (No MechEng pre-majors can enroll in this course); or permission of instructor.

Course Goals / Objectives:

- Develop detailed drawings for final project
 - Fabricate final project
 - Test final project and interpret data
 - Prepare a detailed design report on final project
 - Prepare a user's manual for final project
 - Deliver an oral presentation on final project
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Course Topics:

- Solid modeling and tolerancing
 - Fabrication resources and techniques
 - Experiment design and data reduction
 - Examples of engineering analysis for design
 - Expectations for professional written and oral reports
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Designation:

Required