



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Experimental Projects II

AEROENG 4511

Credit Hours:

3.00

Course Levels:

Undergraduate (1000-5000 level)

Course Components:

Lecture

Lab

Course Description:

Execute and report on experiment formulated in Projects I. Emphasis on execution and reporting.

Prerequisites and Co-requisites:

Prereq: 4510, and enrollment as AeroEng-BS student (No pre-majors can enroll in this class).

Course Goals / Objectives:

- Execute, as a team, an experiment which will successfully assess a defined objective(s)
 - Effectively communicate, orally and in writing, the results of the project design process, and subsequently the key aspects of the overall project (from concept to end goal)
 - GE Reflection-Engag Citizens & Intercultr Comp: Students consider public health, safety, and welfare as well as global, cultural, social, environmental, and economic factors in applying engineering design to produce solutions meeting specified needs.
 - GE Reflection - Personal and Professional Development: Students individually assess and pursue personal professional growth in concert with project requirements and personal career goals.
 - GE Reflection - Cultivate Engineering Mindset: Students develop an engineering mindset that demonstrates constant curiosity, makes connections between disparate bodies of information, and seeks opportunities to create value.
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Course Topics:

- Experimental Measurement: Methods and Methodology
 - Data Analysis
 - Data Reduction
 - Creating Effective Graphics
 - Graphics that Present Data
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Designation:

Required