Experimental Projects I

AEROENG 4510

Credit Hours (Minimum if “Range” selected):
2.00

Max Credit Hours:
2.00

Representative Textbooks and Other Course Materials:

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<th>Title</th>
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No Textbooks and Other Course Materials Entered.

Course Description:
Conceive, plan and design an experiment with a group of students. Emphasis on planning and experiment preparation.

Prerequisites and Co-requisites:
Prereq: 3543 (543) and 3570 (530 and 570), and Sr standing, and enrollment as AeroEng-BS student (No pre-majors can enroll in this class).

Designation:
Required

Course Goals / Objectives:
Develop as a team the strategy and tactics for the design of an experiment and for data analysis procedures to achieve experimental objectives, including detailed description of the necessary technical tasks
Formulate an experimental program and success criteria to obtain information for a particular problem
Implement as a team a detailed design for an experiment and for data analysis procedures necessary to achieve the objectives defined above
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)