Experimental Projects II

AEROENG 4511

Description / Conditions

Transcript Abbreviation:
Exp Projects II

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

Course Levels:
Undergraduate (1000-5000 level)

Designation:
Required

General Education Course:
(N/A)

Cross-Listings:
(N/A)

Course Detail

Credit Hours (Minimum if “Range” selected):
3.00

Max Credit Hours:
(N/A)

Select if Repeatable:
Off
Maximum Repeatable Credits:
(N/A)

Total Completions Allowed:
(N/A)

Allow Multiple Enrollments in Term:
No

Course Length:
14 weeks (autumn or spring)
12 weeks (summer only)

Off Campus:
Never

Campus Location:
Columbus

Instruction Modes:
In Person (75-100% campus; 0-24% online)

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

Electronically Enforced:
No

Exclusions:
(N/A)

Course Goals and Learning Objectives

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.
Check if concurrence sought:
No

**Contact Hours**

Contact Hours:

<table>
<thead>
<tr>
<th>Topic</th>
<th>LEC</th>
<th>REC out-of-class</th>
<th>REC in-class</th>
<th>Weekly LAB out-of-class</th>
<th>Weekly LAB in-class</th>
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<tbody>
<tr>
<td>Experimental Measurement: Methods and Methodology</td>
<td>1.0</td>
<td>0.0</td>
<td>0</td>
<td>0.0</td>
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<tr>
<td>Data Analysis</td>
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<td>0</td>
<td>0.0</td>
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<tr>
<td>Data Reduction</td>
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<td>0</td>
<td>0.0</td>
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<tr>
<td>Creating Effective Graphics</td>
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<td>0.0</td>
<td>0</td>
<td>0.0</td>
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<tr>
<td>Graphics that Present Data</td>
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<td>0.0</td>
<td>0</td>
<td>2.0</td>
<td>0</td>
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<tr>
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<td>0</td>
<td>2</td>
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**Grading and Texts**

**Grading Plan:**
Letter Grade

**Course Components:**
Lecture
Lab

**Grade Roster Component:**
Lecture

**Credit by Exam (EM):**
No
Grades Breakdown:

<table>
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<tr>
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<tr>
<td>Notebook checks</td>
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<tr>
<td>Oral presentations</td>
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<tr>
<td>Written progress reports</td>
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<tr>
<td>Final report</td>
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<tr>
<td>Adviser grade</td>
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Representative Textbooks and Other Course Materials:

<table>
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No Textbooks and Other Course Materials Entered.

ABET Student Learning Outcomes

ABET-CAC Criterion 3 Outcomes:
(N/A)

ABET-ETAC Criterion 3 Outcomes:
(N/A)

ABET-EAC Criterion 3 Outcomes:
(N/A)

Embedded Literacies (UG courses only)

Embedded Literacies Info:

Attachments / Additional Notes or Comments

Attachments:
(N/A)
Additional Notes or Comments:
(N/A)