Individual Studies in Aerospace Engineering

AEROENG 4193

Description / Conditions

Transcript Abbreviation:
Indv Studies AAE

Course Description:
Individual studies project for undergraduates.

Course Levels:
Undergraduate (1000-5000 level)

Designation:
Elective

General Education Course:
(N/A)

Cross-Listings:
(N/A)

Course Detail

Credit Hours (Minimum if “Range” selected):
1.00

Max Credit Hours:
7.00

Select if Repeatable:
On
Maximum Repeatable Credits: 
10.00

Total Completions Allowed: 
4.00

Allow Multiple Enrollments in Term: 
No

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

Off Campus: 
Sometimes

Campus Location: 
Columbus

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

Prerequisites and Co-requisites: 
Permission of instructor.

Electronically Enforced: 
No

Exclusions: 
(N/A)

Course Goals and Learning Objectives

Course Goals / Objectives: 
Provide opportunities for independent research for undergraduates

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>
</tr>
</thead>
<tbody>
<tr>
<td>Topics selected to give the advanced student opportunity to pursue special studies not otherwise offered</td>
<td>0.0</td>
<td>0.0</td>
<td>0</td>
<td>0.0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</tbody>
</table>

Grading and Texts

Grading Plan:
Satisfactory/Unsatisfactory

Course Components:
Independent Study

Grade Roster Component:
Independent Study

Credit by Exam (EM):
No

Grades Breakdown:

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Grade Breakdown Entered.</td>
<td></td>
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</table>

Representative Textbooks and Other Course Materials:

<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Textbooks and Other Course Materials Entered.</td>
<td></td>
<td></td>
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</table>

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

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

ABET-EAC Criterion 3 Outcomes:

<table>
<thead>
<tr>
<th>Contribution Type</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Significant contribution (7+ hours)</td>
<td>1</td>
<td>an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics</td>
</tr>
<tr>
<td>Substantial contribution (3-6 hours)</td>
<td>3</td>
<td>an ability to communicate effectively with a range of audiences - pre-2019 EAC SLO (g)</td>
</tr>
<tr>
<td>Some contribution (1-2 hours)</td>
<td>4</td>
<td>an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts</td>
</tr>
<tr>
<td>Significant contribution (7+ hours)</td>
<td>6</td>
<td>an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions</td>
</tr>
</tbody>
</table>

Embedded Literacies (UG courses only)

Embedded Literacies Info:

Attachments / Additional Notes or Comments

Attachments:
(N/A)

Additional Notes or Comments:
(N/A)