Individual Studies in Aerospace Engineering

AEROENG 4193

Credit Hours:
1.00

Course Coordinator:

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

Representative Textbooks and Other Course Materials:

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

Course Description:
Individual studies project for undergraduates.

Prerequisites and Co-requisites:
Permission of instructor.

Designation:
Elective

Course Goals / Objectives:
Provide opportunities for independent research for undergraduates
### ABET-EAC Criterion 3 Outcomes:

<table>
<thead>
<tr>
<th>Contribution Level</th>
<th>Hours</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>

### Course Topics:

Topics selected to give the advanced student opportunity to pursue special studies not otherwise offered