Aerospace Engineering Thesis Research

**AEROENG 4999**

**Description / Conditions**

**Transcript Abbreviation:**
Research

**Course Description:**
Aerospace Engineering research for thesis.

**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:**
3.00

**Select if Repeatable:**
On
Maximum Repeatable Credits:
10.00

Total Completions Allowed:
5.00

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:
Prereq: Permission of instructor.

Electronically Enforced:
No

Exclusions:
(N/A)

Course Goals and Learning Objectives

Course Goals / Objectives:
The overall goal of this course is to afford students the opportunity to pursue undergraduate research. This class is the mechanism through which students receive credit for their research.

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>As proposed by student and approved by advisor</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>
</tr>
</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>Grades Breakdown</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Percent</td>
</tr>
</tbody>
</table>

No Grade Breakdown Entered.

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></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Contribution Hours</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Significant (7+)</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 (3-6)</td>
<td>3</td>
<td>an ability to communicate effectively with a range of audiences - pre-2019 EAC SLO (g)</td>
</tr>
<tr>
<td>Substantial (3-6)</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)