# ME 390 Course Profile

**Degree Program:** Mechanical Engineering

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Terms Offered</th>
<th>Textbook / Required Material</th>
<th>Pre / Co-Prerequisites</th>
<th>Cognizant Faculty</th>
<th>Course Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME 390</td>
<td>RISE 3 - Research, Innovation, Service, Entrepreneurship</td>
<td>Fall, Winter, Spring, Summer</td>
<td>None</td>
<td>Permission of Instructor (2-3 credits)</td>
<td>Undergraduate Program Director</td>
<td>1. To be determined by a proposal written by the student under the direction of the faculty member and approved by the Undergraduate Program Director.</td>
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</tbody>
</table>

**Course Structure/Schedule:** Per Instructor
### COURSE OBJECTIVES:
for each course objective, links to the Program Outcomes are identified in brackets.

1. To be specified in the proposal and to be appropriate for juniors in mechanical engineering. May include, but not be limited to: To teach the student how to conduct research [1, 6]; To teach the student how to apply the knowledge gained in other classes to solve mechanical engineering problems [1]; To teach the student the use of modern engineering tools [1, 2, 6]; To teach the student the need for and ability to engage in life-long learning [7]; To teach the student to design and/or analyze systems, components, or concepts to responsibly meet societal and/or practical needs [1, 2, 4, 7]; and To teach the student how to present their engineering work through oral, written, and/or other visual means [3].

### COURSE OUTCOMES:
for each course outcome, links to the Course Objectives are identified in brackets.

1. To be specified in the proposal.

### ASSESSMENT TOOLS:
for each assessment tool, links to the course outcomes are identified

1. Poster presentation at the Mechanical Engineering Undergraduate Symposium.
2. Other tools agreed to in the proposal.

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**PREPARED BY:** D. Dowling  
**LAST UPDATED:** 06/02/2017