ECE 4193 (Approved): Individual Studies in Electrical and Computer Engineering

Course Description
Individual studies project.

Prior Course Number: 693
Transcript Abbreviation: Ind Studies ECE
Grading Plan: Satisfactory/Unsatisfactory
Course Deliveries: Classroom
Course Levels: Undergrad
Student Ranks: Junior, Senior
Course Offerings: Autumn, Spring, May, Summer
Flex Scheduled Course: Never
Course Frequency: Every Year
Course Length: 14 Week
Credits: 0.0 - 12.0
Repeatable: Yes
Maximum Repeatable Credits: 12.0
Total Completions Allowed: 12
Allow Multiple Enrollments in Term: Yes
Graded Component: Independent Study
Credit by Examination: No
Admission Condition: No
Off Campus: Never
Campus Locations: Columbus
Prerequisites and Co-requisites: Prereq: Permission of instructor.
Exclusions:
Cross-Listings:

Course Rationale: Existing course.

The course is required for this unit's degrees, majors, and/or minors: No
The course is a GEC: No
The course is an elective (for this or other units) or is a service course for other units: Yes

Subject/CIP Code: 14.1001
Subsidy Level: Baccalaureate Course

Programs

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>CpE</td>
<td>Computer Engineering</td>
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<tr>
<td>EE</td>
<td>Electrical Engineering</td>
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Course Topics
Individual studies project. Prior to the start of the course, a syllabus with topics, objectives/outcomes, deliverables, and a schedule is developed and agreed upon by the student and the instructor.

### ABET-EAC Criterion 3 Outcomes

<table>
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<tr>
<th>Course Contribution</th>
<th>College Outcome</th>
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<tbody>
<tr>
<td>a</td>
<td>An ability to apply knowledge of mathematics, science, and engineering.</td>
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<tr>
<td>b</td>
<td>An ability to design and conduct experiments, as well as to analyze and interpret data.</td>
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<td>c</td>
<td>An ability to design a system, component, or process to meet desired needs.</td>
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<td>d</td>
<td>An ability to function on multi-disciplinary teams.</td>
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<td>e</td>
<td>An ability to identify, formulate, and solve engineering problems.</td>
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<td>f</td>
<td>An understanding of professional and ethical responsibility.</td>
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<tr>
<td>g</td>
<td>An ability to communicate effectively.</td>
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<tr>
<td>h</td>
<td>The broad education necessary to understand the impact of engineering solutions in a global and societal context.</td>
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<tr>
<td>i</td>
<td>A recognition of the need for, and an ability to engage in life-long learning.</td>
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<td>j</td>
<td>A knowledge of contemporary issues.</td>
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<tr>
<td>k</td>
<td>An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.</td>
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### Additional Notes or Comments

Updated topics to match university format 3/20/12

add Permission of instructor to prereqs. 3/8/13. Also check "allow multiple enrollments per term" to agree with university version.

Make graded component independent study 5/10/13

**Prepared by:** Betty Lise Anderson