## Electrical and Computer Engineering

### ECE 398  Special Topics in ECE  credit: 0 TO 4 hours.

Subject offerings of new and developing areas of knowledge in electrical and computer engineering intended to augment the existing curriculum. See Class Schedule or departmental course information for topics and prerequisites. Approved for both letter and S/U grading. May be repeated in the same or separate terms if topics vary.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>62976</td>
<td>Laboratory</td>
<td>PL1</td>
<td>09:00 AM - 11:50 AM</td>
<td>R</td>
<td>2022 - Electrical &amp; Computer Eng Bldg</td>
<td>Katselis, D</td>
</tr>
</tbody>
</table>

Credit Hours: 1 hours  
Probability in Engineering Lab  
Not intended for Graduate - Urbana-Champaign.  
Prerequisites: Concurrent enrollment in ECE 313. This one-hour credit course is designed to be taken concurrently with ECE 313 Probability in Engineering Systems. The course will strengthen the students' understanding of the concepts in ECE 313 through computer simulation and computation, and expose the students to a variety of applications. It will help prepare them for follow on courses using probability and computation.

| 62980| Laboratory| PL2     | 12:00 PM - 02:50 PM | R    | 2022 - Electrical & Computer Eng Bldg | Katselis, D |

Credit Hours: 1 hours  
Probability in Engineering Lab  
Not intended for Graduate - Urbana-Champaign.  
Prerequisites: Concurrent enrollment in ECE 313. This one-hour credit course is designed to be taken concurrently with ECE 313 Probability in Engineering Systems. The course will strengthen the students' understanding of the concepts in ECE 313 through computer simulation and computation, and expose the students to a variety of applications. It will help prepare them for follow on courses using probability and computation.

| 63477| Lecture  | PSC     | 04:00 PM - 04:50 PM | TR   | 2017 - Electrical & Computer Eng Bldg | Carney, P Singer, A |

Credit Hours: 2 hours  
Innovation and Eng. Design  
Not intended for Graduate - Urbana-Champaign.  
A course on the engineering process fostering the identification of needs and potential engineering solutions. This course will encapsulate the ideation and problem identification aspects of engineering senior design, and is anticipated to facilitate student innovation. Students taking ECE445 senior design may use this course one to two semesters before taking ECE445 to identify a suitable project for the course, to build a team, and to explore the feasibility and potential solution space for the selected project area.