**Class Schedule - Spring 2017**

**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>60913</td>
<td>Laboratory</td>
<td>BD</td>
<td>04:00 PM - 06:50 PM</td>
<td>W</td>
<td>2022 - Electrical &amp; Computer Eng Bldg</td>
<td>Do, M Milenkovic, O Veeravalli, V</td>
</tr>
<tr>
<td></td>
<td>Lecture</td>
<td>BD</td>
<td>02:00 PM - 03:20 PM</td>
<td>TR</td>
<td>3017 - Electrical &amp; Computer Eng Bldg</td>
<td>Do, M Milenkovic, O Veeravalli, V</td>
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</tbody>
</table>

Credit Hours: 3 hours
Making Sense of Big Data
Not intended for Graduate - Urbana-Champaign.
Restricted to students with Junior or Senior class standing.
Big Data is all around us. Petabytes of data is collected by Google and Facebook. 24 hours of video is uploaded on Youtube every minute. Making sense of all this data in the relevant context is a critical question. This course takes a holistic view towards understanding how this data is collected, represented and stored, retrieved and computed/analyzed upon to finally arrive at appropriate outcomes for the underlying context. The course is divided into three parts, with the first part focusing on foundations of machine learning, and the remaining two on specific application areas. Prerequisites: ECE 313 (or campus equivalent on basic undergrad probability) and some basic linear algebra. General mathematical maturity expected of engineering undergraduates. Target Audience: Juniors or Seniors

| 62604 | Lecture-Discussion | PSC     | 04:00 PM - 05:50 PM | T    | 4070 - Electrical & Computer Eng Bldg | Carney, P Lilly, B |

Credit Hours: 2 hours
Innovation and Eng Design
Not intended for Graduate - Urbana-Champaign.