ECE 411  **Computer Organization & Design**  credit: 4 hours.

Basic computer organization and design: integer and floating-point computer arithmetic; control unit design; pipelining; system interconnect; memory organization; I/O design; reliability and performance evaluation. Laboratory for computer design implementation, simulation, and layout. 4 undergraduate hours. 4 graduate hours. Prerequisite: ECE 391 or CS 241.

Students must register for one lab and one discussion section.

<table>
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<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tr>
<td>29937</td>
<td>Laboratory</td>
<td>AB1</td>
<td>ARRANGED -</td>
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<td>29942</td>
<td>Discussion/Recitation</td>
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<td>02:00 PM - 03:20 PM</td>
<td>TR</td>
<td>1015 - Electrical &amp; Computer Eng Bldg</td>
<td>Kim, N</td>
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