Class Schedule - Fall 2017

Electrical and Computer Engineering

ECE 535  Theory of Semicond & Devices  credit: 4 hours.
Introductory quantum mechanics of semiconductors; energy bands; dynamics of Block electrons in static and high-frequency electric
and magnetic fields; equilibrium statistics; transport theory, diffusion, drift, and thermoelectric effects; characteristics of p-n junctions,
heterojunctions, and transistor devices. Same as PHYS 565. Prerequisite: Senior-level course in quantum mechanics or atomic
physics.

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<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>37127</td>
<td>Discussion/Recitation</td>
<td>E</td>
<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>2013 - Electrical &amp; Computer Eng Bldg</td>
<td>Leburton, J</td>
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Restricted to Graduate - Urbana-Champaign.