Physics

PHYS 404  **Electronic Circuits I**  credit: 0 TO 5 hours.
The physics of semiconductor devices; theory and application of discrete and integrated devices in linear circuits; use of operational amplifiers and feedback; regulation, oscillators, and modulation; emphasizes practical experience. Lectures, problems, and laboratory. Same as CHEM 423. 5 undergraduate hours. 4 graduate hours. Offered Spring term only. Prerequisite: PHYS 401 and PHYS 435.

<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>
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<tbody>
<tr>
<td>38598</td>
<td>Lecture</td>
<td>AC</td>
<td>04:00 PM - 05:50 PM</td>
<td>MW</td>
<td>136 - Loomis Laboratory</td>
<td>Giannetta, R</td>
</tr>
<tr>
<td>38600</td>
<td>Lecture</td>
<td>AG</td>
<td>04:00 PM - 05:50 PM</td>
<td>MW</td>
<td>136 - Loomis Laboratory</td>
<td>Giannetta, R</td>
</tr>
<tr>
<td>38605</td>
<td>Laboratory</td>
<td>L2</td>
<td>01:00 PM - 03:50 PM</td>
<td>TR</td>
<td>5106 - Engineering Sciences Building</td>
<td>Vissers, M</td>
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<tr>
<td>38601</td>
<td>Laboratory</td>
<td>L3</td>
<td>09:00 AM - 11:50 AM</td>
<td>WF</td>
<td>5106 - Engineering Sciences Building</td>
<td>Zhao, X</td>
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Credit Hours: 5 hours
Restricted to Undergrad - Urbana-Champaign.
Undergraduates register for lecture AC (38598) and for one of the laboratory (L) sections.

Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.
Graduate students register for lecture AG (38600) and for one of the laboratory (L) sections.