Bioengineering

BIOE 198 Special Topics  credit: 1 TO 3 hours.
Subject offerings related to Bioengineering intended to augment the Bioengineering curriculum. Offerings will be at the freshman level. See class schedule or course information websites for topics and prerequisites. May be repeated if topics vary. Prerequisite: Majors only.

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<thead>
<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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<tbody>
<tr>
<td>67742</td>
<td>Laboratory</td>
<td>MI</td>
<td>03:00 PM - 04:50 PM</td>
<td>MW</td>
<td>2101 - Everitt Laboratory</td>
<td>Insana, M</td>
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</tbody>
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Credit Hours: 2 hours
Biomedical Data Analysis
Restricted to BS:Bioengineering - UIUC.
This computational laboratory experience introduces students to formatting, analysis, and visualization of biomedical data. Based in Matlab, students learn to read data from instruments and to simulate data using numerical models in one or several dimensions. Statistical methods are introduced for managing stochastic data at various scales. The objective is to gain experience solving fundamental engineering problems that focus on medical and biological applications.