Class Schedule - Fall 2018

Bioengineering

BIOE 505  Computational Bioengineering  credit: 4 hours.
Mathematical and statistical models plus accompanying computational techniques central to many aspects of systems biology and bioengineering research. Theory of supervised and unsupervised learning; linear models; dimension reduction; Monte Carlo computation; analysis of gene expression data and genome sequence data; modeling of gene transcription network signaling pathways. Same as CSE 505. 4 graduate hours. No professional credit. Prerequisite: STAT 400.

<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>54270</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>11:00 AM - 12:50 PM</td>
<td>TR</td>
<td>3217 - Everitt Laboratory</td>
<td>Maslov, S</td>
</tr>
</tbody>
</table>

Restricted to students in the Bioengineering department.
Restricted to Bioengineering major(s). Restricted to Graduate - Urbana-Champaign.
Restricted to students in the Bioengineering department. Restricted to Graduate-Urbana-Champaign.