**Computer Science**

**CS 466  Introduction to Bioinformatics**  credit: 3 OR 4 hours.
Algorithmic approaches in bioinformatics: (i) biological problems that can be solved computationally (e.g., discovering genes, and interactions among different genes and proteins); (ii) algorithmic techniques with wide applicability in solving these problems (e.g., dynamic programming and probabilistic methods); (iii) practical issues in translating the basic algorithmic ideas into accurate and efficient tools that biologists may use. 3 undergraduate hours. 3 or 4 graduate hours. Prerequisite: CS 225.

<table>
<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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</thead>
<tbody>
<tr>
<td>51764</td>
<td>Lecture-Discussion</td>
<td>B3</td>
<td>02:00 PM - 03:15 PM</td>
<td>WF</td>
<td>1302 - Siebel Center for Comp Sci</td>
<td>El-Kebir, M</td>
</tr>
</tbody>
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Credit Hours: 3 hours
Restricted to Computer Science major(s). Restricted to Undergrad - Urbana-Champaign.

| 51765| Lecture-Discussion  | B4      | 02:00 PM - 03:15 PM | WF   | 1302 - Siebel Center for Comp Sci | El-Kebir, M  |

Credit Hours: 4 hours
Restricted to Computer Science or Bioinformatics major(s). Restricted to Graduate - Urbana-Champaign.