# Computer Science

**CS 436  Computer Networking Laboratory**  credit: 3 OR 4 hours.

Same as ECE 435. See ECE 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>
</thead>
<tbody>
<tr>
<td>69217</td>
<td>Laboratory</td>
<td>C</td>
<td>ARRANGED -</td>
<td></td>
<td>0218 - Siebel Center for Comp Sci</td>
<td>Caesar, M</td>
</tr>
<tr>
<td></td>
<td>Lecture</td>
<td>C</td>
<td>09:30 AM - 10:45 AM</td>
<td>MW</td>
<td>0216 - Siebel Center for Comp Sci</td>
<td>Caesar, M</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours

Design, application, analysis, and evaluation of the communication network protocols and software systems that make up modern cloud and network infrastructures. Emphasis on identifying problems, proposing alternative solutions, and hands-on construction and experimentation with real-world implementations. Multiple programming team projects. Prerequisite: CS 241

<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>69218</td>
<td>Laboratory</td>
<td>C1</td>
<td>ARRANGED -</td>
<td></td>
<td>0218 - Siebel Center for Comp Sci</td>
<td>Caesar, M</td>
</tr>
<tr>
<td></td>
<td>Lecture</td>
<td>C1</td>
<td>09:30 AM - 10:45 AM</td>
<td>MW</td>
<td>0216 - Siebel Center for Comp Sci</td>
<td>Caesar, M</td>
</tr>
</tbody>
</table>

Credit Hours: 4 hours

Design, application, analysis, and evaluation of the communication network protocols and software systems that make up modern cloud and network infrastructures. Emphasis on identifying problems, proposing alternative solutions, and hands-on construction and experimentation with real-world implementations. Multiple programming team projects. Prerequisite: CS 241

<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>70721</td>
<td>Online</td>
<td>ONL</td>
<td>ARRANGED -</td>
<td></td>
<td>-</td>
<td>Caesar, M</td>
</tr>
</tbody>
</table>

Credit Hours: 4 hours

Restricted to MS: Civil Engr - Online - UIUC, MCS:Computer Sci Online -UIUC, MS:Mechanical Engineering -UIUC, MS: Aerospace Engr-Online-UIC, NDEG:Grad Nondegree-CE-UIC, NDEG:Undergrad Nondeg-CE-UIC, or MCS: Computer Sci Online-UIC. An online virtualized networking laboratory environment will be provided for students in the online section. Additionally, an optional wireless spectrum analyzer will be provided for students in the online section to purchase (<$100) if they wish to perform more advanced WiFi experiments that go beyond the required course material.