Computer Science

**CS 461  Computer Security I  credit: 4 hours.**
Fundamental principles of computer and communications security and information assurance: ethics, privacy, notions of threat, vulnerabilities, and risk in systems, information warfare, malicious software, data secrecy and integrity issues, network security, trusted computing, mandatory and discretionary access controls, certification and accreditation of systems against security standards. Security mechanisms: authentication, auditing, intrusion detection, access control, cryptography, security protocols, key distribution. Same as ECE 422. 4 undergraduate hours. 4 graduate hours. Prerequisite: CS 241 or ECE 391.

<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>48199</td>
<td>Lecture-Discussion</td>
<td>AL4</td>
<td>12:30 PM - 01:45 PM</td>
<td>MW</td>
<td>1320 - Digital Computer Laboratory</td>
<td>Bailey, M</td>
</tr>
<tr>
<td>70797</td>
<td>Lecture-Discussion</td>
<td>ALG</td>
<td>12:30 PM - 01:45 PM</td>
<td>MW</td>
<td>1320 - Digital Computer Laboratory</td>
<td>Bailey, M</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For up-to-date information about CS course restrictions, please see the following link: http://go.cs.illinois.edu/CSregister

<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>63507</td>
<td>Discussion/Recitation</td>
<td>AY1</td>
<td>09:00 AM - 09:50 AM</td>
<td>F</td>
<td>1103 - Siebel Center for Comp Sci</td>
<td>Bailey, M</td>
</tr>
<tr>
<td>63508</td>
<td>Discussion/Recitation</td>
<td>AY2</td>
<td>10:00 AM - 10:50 AM</td>
<td>F</td>
<td>1103 - Siebel Center for Comp Sci</td>
<td>Bailey, M</td>
</tr>
<tr>
<td>63509</td>
<td>Discussion/Recitation</td>
<td>AY3</td>
<td>11:00 AM - 11:50 AM</td>
<td>F</td>
<td>1103 - Siebel Center for Comp Sci</td>
<td>Bailey, M</td>
</tr>
<tr>
<td>63510</td>
<td>Discussion/Recitation</td>
<td>AY4</td>
<td>12:00 PM - 12:50 PM</td>
<td>F</td>
<td>1103 - Siebel Center for Comp Sci</td>
<td>Bailey, M</td>
</tr>
<tr>
<td>63511</td>
<td>Discussion/Recitation</td>
<td>AY5</td>
<td>01:00 PM - 01:50 PM</td>
<td>F</td>
<td>1103 - Siebel Center for Comp Sci</td>
<td>Bailey, M</td>
</tr>
<tr>
<td>63513</td>
<td>Discussion/Recitation</td>
<td>AY6</td>
<td>02:00 PM - 02:50 PM</td>
<td>F</td>
<td>1103 - Siebel Center for Comp Sci</td>
<td>Bailey, M</td>
</tr>
</tbody>
</table>

Restricted to Graduate - Urbana-Champaign.
For up-to-date information about CS course restrictions, please see the following link: http://go.cs.illinois.edu/CSregister
<table>
<thead>
<tr>
<th>Section</th>
<th>Type</th>
<th>Time</th>
<th>Day</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>48198</td>
<td>Discussion/Recitation</td>
<td>03:00 PM - 03:50 PM</td>
<td>F</td>
<td>1103 - Siebel Center for Comp Sci</td>
<td>Bailey, M</td>
</tr>
<tr>
<td>68331</td>
<td>Discussion/Recitation</td>
<td>02:00 PM - 03:30 PM</td>
<td>T</td>
<td>ARR - Discovery Partners Inst. CHI</td>
<td>Bailey, M Levchenko, K</td>
</tr>
<tr>
<td></td>
<td>Online</td>
<td>12:30 PM - 01:45 PM</td>
<td>MW</td>
<td>-</td>
<td>Bailey, M Levchenko, K</td>
</tr>
</tbody>
</table>

Restricted to O/C Engineering City Scholars students.