Computer Science

CS 357  **Numerical Methods I**  credit: 3 hours.
Fundamentals of numerical methods for students in science and engineering; floating-point computation, systems of linear equations, approximation of functions and integrals, the single nonlinear equation, and the numerical solution of ordinary differential equations; various applications in science and engineering; programming exercises and use of high quality mathematical library routines. Same as MATH 357. Credit is not given for CS 357 if credit for CS 450 has been earned. (Counts for advanced hours in LAS). Prerequisite: One of CS 101, CS 105 or CS 125; MATH 241; one of MATH 225, MATH 415, MATH 416 or ASRM 406.

<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>53280</td>
<td>Lecture-Discussion</td>
<td>M</td>
<td>09:30 AM - 10:45 AM</td>
<td>TR</td>
<td>1320 - Digital Computer Laboratory</td>
<td>Silva, M</td>
</tr>
</tbody>
</table>

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

| 63536| Lecture-Discussion | N       | 12:30 PM - 01:45 PM | TR   | 1404 - Siebel Center for Comp Sci   | Silva, M   |

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