Computer Science

CS 450  **Intro to Numerical Analysis** credit: 3 OR 4 hours.

(C S 350) Introduction to numerical analysis, including linear system solvers, optimization techniques, interpolation and approximation of functions, solving systems of nonlinear equations, eigenvalue problems, least squares, and quadrature; numerical handling of ordinary and partial differential equations. Same as CSE 401, ECE 491, and MATH 450. 3 undergraduate hours. 3 or 4 graduate hours. Prerequisite: CS 101 or CS 125; CS 257 or MATH 415; MATH 385, MATH 386, or MATH 441; or consent of instructor.

<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>36016</td>
<td>Lecture-Discussion</td>
<td>B3</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>1320 - Digital Computer Laboratory</td>
<td>Heath, M</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours

| 36020| Lecture-Discussion | B4      | 09:00 AM - 09:50 AM | MWF  | 1310 - Digital Computer Laboratory | Heath, M   |

Credit Hours: 4 hours
Restricted to Graduate - Urbana-Champaign.