Computer Science

CS 450  **Numerical Analysis**  credit: 3 or 4 hours.
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. Credit is not given for both CS 450 and CS 457. Prerequisite: CS 101 or CS 125; CS 357 or MATH 415; MATH 285.

<table>
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<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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<td>31427</td>
<td>Lecture-Discussion</td>
<td>B3</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>1404 - Siebel Center for Comp Sci</td>
<td>Kloeckner, A</td>
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<td>MWF</td>
<td>1404 - Siebel Center for Comp Sci</td>
<td>Kloeckner, A</td>
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Credit Hours: 3 hours
Restricted to Graduate - Urbana-Champaign.

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