### Computational Science and Engineering

**CSE 451  ** Finite Element Analysis  credit: 3 OR 4 hours.  
Same as AE 420 and ME 471. See ME 471.

<table>
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<th>CRN</th>
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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>36852</td>
<td>Lecture</td>
<td>C</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>403B2 - Engineering Hall</td>
<td>Tortorelli, D</td>
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<tr>
<td>59127</td>
<td>Online</td>
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<td>ARRANGED</td>
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Online  
Restricted to MS: Civil Engr - Online - UIUC, MCS:Computer Sci Online -UIUC, MS:Mechanical Engineering -UIUC, or NDEG:Grad Nondegree-CE-UIUC.  
Restricted to online non-degree, online MCS, online MSME and online MS CE students. Online & Continuing Education (OCE) restrictions and assessments apply, see http://www.oce.illinois.edu. For more details on this course section, please see http://online.engineering.illinois.edu/descriptions/fall2011.htm  
OCE Tuition $988.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.