Mathematics

**MATH 441  Differential Equations**  credit: 3 OR 4 hours.

Basic course in ordinary differential equations; topics include existence and uniqueness of solutions and the general theory of linear differential equations; treatment is more rigorous than that given in MATH 285. 3 or 4 undergraduate hours. 3 or 4 graduate hours. Credit is not given for both MATH 441 and any of MATH 284, MATH 285, MATH 286. 4 hours of credit requires approval of the instructor and completion of additional work of substance. Prerequisite: MATH 241; MATH 347 or MATH 348 is recommended.

<table>
<thead>
<tr>
<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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<tr>
<td>32116</td>
<td>Lecture-Discussion</td>
<td>A13</td>
<td>08:00 AM - 08:50 AM</td>
<td>MWF</td>
<td>245 - Altgeld Hall</td>
<td>La Nave, G</td>
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<td>32118</td>
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<td>A14</td>
<td>08:00 AM - 08:50 AM</td>
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<td>245 - Altgeld Hall</td>
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<td>01:00 PM - 01:50 PM</td>
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<td>Berndt, B</td>
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<td>57794</td>
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<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>245 - Altgeld Hall</td>
<td>Berndt, B</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
This course is restricted to Engineering Mechanics, Mathematics, Math&CS, Physics, and Stat&CS majors initially, but the restriction will be removed during business hours on April 21, 2016.

Credit Hours: 4 hours
Instructor Approval Required
Restricted to Engineering Mechanics or Physics or Mathematics or Statistics & Computer Science or Math & Computer Science major(s). Restricted to Graduate - Urbana-Champaign.
Instructor approval forms available in 313 Altgeld Hall beginning on the first day of Fall semester.

Credit Hours: 3 hours
This course is restricted to Engineering Mechanics, Mathematics, Math&CS, Physics, and Stat&CS majors initially, but the restriction will be removed during business hours on April 21, 2016.

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