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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<tbody>
<tr>
<td>57915</td>
<td>Lecture-Discussion</td>
<td>B13</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>147 - Altgeld Hall</td>
<td>Xu, S</td>
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<td>57920</td>
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<td>B14</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>147 - Altgeld Hall</td>
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<td>10:00 AM - 10:50 AM</td>
<td>MWF</td>
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<td>Rapti, Z</td>
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<td>10:00 AM - 10:50 AM</td>
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<td>02:00 PM - 02:50 PM</td>
<td>MWF</td>
<td>141 - Altgeld Hall</td>
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<td>54417</td>
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<td>02:00 PM - 02:50 PM</td>
<td>MWF</td>
<td>141 - Altgeld Hall</td>
<td>Xu, S</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
During early registration, Math 441 is restricted to majors specifically requiring the course. Restrictions will be removed during the business day on December 3, 2015. Students not already in those majors are welcome to register as soon as the restrictions have been removed.

Credit Hours: 4 hours
Departmental Approval Required
Instructor approval forms available in 313 Altgeld Hall beginning on the first day of Spring semester.

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