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.

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<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>Lecture-Discussion</td>
<td>D3</td>
<td>11:00 AM - 11:50 AM</td>
<td>MTWRF</td>
<td>143 - Altgeld Hall</td>
<td>Xu, S</td>
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Credit Hours: 3 hours

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<td>Xu, S</td>
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Credit Hours: 4 hours
Departmental Approval Required