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. 4 hours of credit requires approval of the instructor and completion of additional work of substance. Credit is not given for both MATH 441 and any of MATH 284, MATH 285, MATH 286. Prerequisite: MATH 241. Recommended: MATH 347 or MATH 348.
This course satisfies the General Education Criteria for a:
Quantitative Reasoning II

<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>32116</td>
<td>Lecture-Discussion</td>
<td>B13</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>143 - Altgeld Hall</td>
<td>Rapti, Z</td>
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<tr>
<td>32118</td>
<td>Lecture-Discussion</td>
<td>B14</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>143 - Altgeld Hall</td>
<td>Rapti, Z</td>
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<tr>
<td>32120</td>
<td>Lecture-Discussion</td>
<td>X13</td>
<td>12:00 PM - 12:50 PM</td>
<td>MWF</td>
<td>147 - Altgeld Hall</td>
<td>Tzirakis, N</td>
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<td>32123</td>
<td>Lecture-Discussion</td>
<td>X14</td>
<td>12:00 PM - 12:50 PM</td>
<td>MWF</td>
<td>147 - Altgeld Hall</td>
<td>Tzirakis, N</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Quant Reasoning II course.
Restricted to Engineering Mechanics or Statistics or Geology or Mathematics or Statistics & Computer Science or Math & Computer Science major(s).
Enrollment is restricted to majors requiring this course. For questions contact advising@math.uiuc.edu. Remaining seats may be made available after priority registration ends or on the first day of class.

Credit Hours: 4 hours
Quant Reasoning II course.
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.
Enrollment is restricted to majors requiring this course. For questions contact advising@math.uiuc.edu. Remaining seats may be made available after priority registration ends or on the first day of class.

Credit Hours: 3 hours
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Enrollment is restricted to majors requiring this course. For questions contact advising@math.uiuc.edu. Remaining seats may be made available after priority registration ends or on the first day of class.