## Mathematics

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

(MATH 341) 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 385. 3 undergraduate hours. 3 or 4 graduate hours. 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 MATH 385. Prerequisite: MATH 242 or MATH 243, or equivalent; MATH 347 or MATH 348 recommended.

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>
</tr>
</thead>
<tbody>
<tr>
<td>32118</td>
<td>Lecture-Discussion</td>
<td>B1G</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>148 - Henry Administration Bldg</td>
<td>Palmore, J</td>
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</tbody>
</table>
|      | Quant Reasoning II course.  
Restricted to Graduate - Urbana-Champaign. |
| 32116| Lecture-Discussion    | B1U     | 09:00 AM - 09:50 AM | MWF  | 148 - Henry Administration Bldg | Palmore, J |
|      | Credit Hours: 3 hours 
Quant Reasoning II course.  
Restricted to Undergrad - Urbana-Champaign. |
| 32123| Lecture-Discussion    | E1G     | 01:00 PM - 01:50 PM | MWF  | 143 - Henry Administration Bldg | Zharnitsky, V |
|      | Quant Reasoning II course.  
Restricted to Graduate - Urbana-Champaign. |
| 32120| Lecture-Discussion    | E1U     | 01:00 PM - 01:50 PM | MWF  | 143 - Henry Administration Bldg | Zharnitsky, V |
|      | Credit Hours: 3 hours 
Quant Reasoning II course.  
Restricted to Undergrad - Urbana-Champaign. |