### Mathematics

**MATH 403  Euclidean Geometry  credit: 3 OR 4 hours.**

(MATH 303) Selected topics from geometry, including the nine-point circle, theorems of Cera and Menelaus, regular figures, isometries in the plane, ordered and affine geometries, and the inversive plane. 3 undergraduate hours. 3 or 4 graduate hours. 4 hours of credit requires approval of the instructor and completion of additional work of substance. Prerequisite: MATH 242 or MATH 243, or consent of instructor.

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>
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<tbody>
<tr>
<td>37932</td>
<td>Lecture-Discussion</td>
<td>D13</td>
<td>11:00 AM - 11:50 AM</td>
<td>MWF</td>
<td>341 - Altgeld Hall</td>
<td>Francis, G</td>
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<tr>
<td>37934</td>
<td>Lecture-Discussion</td>
<td>D14</td>
<td>11:00 AM - 11:50 AM</td>
<td>MWF</td>
<td>341 - Altgeld Hall</td>
<td>Francis, G</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours  
Quant Reasoning II course.  
Open to both undergraduate and graduate students.

Credit Hours: 4 hours  
Quant Reasoning II course.  
Instructor Approval Required  
Not intended for Undergrad - Urbana-Champaign.  
Instructor approval forms available in 221 Altgeld Hall beginning January 13, 2005.