Mathematics

MATH 402  **Non Euclidean Geometry**  credit: 3 OR 4 hours.
Historical development of geometry; includes tacit assumptions made by Euclid; the discovery of non-Euclidean geometries; geometry as a mathematical structure; and an axiomatic development of plane geometry. 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 241 (formerly MATH 243) or MATH 242; MATH 347 or MATH 348, or equivalent; 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>
</thead>
<tbody>
<tr>
<td>37927</td>
<td>Lecture-Discussion</td>
<td>B13</td>
<td>09:00 AM - 10:50 AM</td>
<td>MWF</td>
<td>345 - Altgeld Hall</td>
<td>Francis, G</td>
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</tbody>
</table>

Credit Hours: 3 hours
Quant Reasoning II course.
Meets 16-Jan-07 - 09-Mar-07.
Open to both undergraduate and graduate students.

<table>
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<tr>
<td>37928</td>
<td>Lecture-Discussion</td>
<td>B14</td>
<td>09:00 AM - 10:50 AM</td>
<td>MWF</td>
<td>345 - Altgeld Hall</td>
<td>Francis, G</td>
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</table>

Credit Hours: 4 hours
Quant Reasoning II course.
Instructor Approval Required
Not intended for Undergrad - Urbana-Champaign.
Meets 16-Jan-07 - 09-Mar-07.
Instructor approval forms available in 313 Altgeld Hall.

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<tr>
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<td>MWF</td>
<td>141 - Altgeld Hall</td>
<td>Mortensen, K</td>
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Credit Hours: 3 hours
Quant Reasoning II course.
Open to both undergraduate and graduate students.

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<td>D14</td>
<td>11:00 AM - 11:50 AM</td>
<td>MWF</td>
<td>141 - Altgeld Hall</td>
<td>Mortensen, K</td>
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</tbody>
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Quant Reasoning II course.
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