Mathematics

MATH 403  **Euclidean Geometry**  credit: 3 OR 4 hours.
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. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance. Prerequisite: MATH 241; MATH 347 or 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>30344</td>
<td>Lecture-Discussion</td>
<td>E13</td>
<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>243 - Altgeld Hall</td>
<td>Francis, G</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Quant Reasoning II course.

| 39114| Lecture-Discussion| E14     | 01:00 PM - 01:50 PM | MWF  | 243 - Altgeld Hall | Francis, G |

Credit Hours: 4 hours
Quant Reasoning II course.
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.

| 56948| Online          | OCE     | ARRANGED -         | -    |                | Francis, G Murphy, A |

Quant Reasoning II course.
Instructor Approval Required
Restricted to NDEG:Grad Nondegree-CE-UIUC or NDEG:Undergrad Nondeg-CE-UIUC.
Online & Continuing Education (OCE) restrictions and assessments apply, see [http://www.oce.illinois.edu](http://www.oce.illinois.edu). Enrollment in these courses is open only to undergraduate and graduate nondegree students. All enrollment in these courses is open only to undergraduate and graduate nondegree students. Students wishing to enroll need the instructor's approval based on a review of their preparation. Please e-mail Prof. George Francis at gfrancis@uiuc.edu to request approval. This course is not ordinarily available to high school students. The prerequisites are Calculus III (vectors) and Math 347 or an equivalent course on mathematical discourse and proof.
Graduate - Urbana-Champaign OCE Tuition $380.00 per Bill Hour, Undergrad - Urbana-Champaign OCE Tuition $347.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.