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>
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<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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<td>37932</td>
<td>Lecture-Discussion</td>
<td>M13</td>
<td>09:30 AM - 10:50 AM</td>
<td>TR</td>
<td>441 - Altgeld Hall</td>
<td>Guillou, B</td>
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<td>37934</td>
<td>Lecture-Discussion</td>
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<tr>
<td>53542</td>
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<td>XM</td>
<td>ARRANGED</td>
<td>-</td>
<td></td>
<td>Francis, G Woods, D</td>
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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 313 Altgeld Hall.

Online
Quant Reasoning II course.
Instructor Approval Required
Restricted to NDEG:Grad Nondegree-CE-UIUC or NDEG:Undergrad Nondeg-CE-UIUC.
Academic Outreach restrictions and assessments apply, see http://www.outreach.uiuc.edu. Enrollment in this course section is restricted to nondegree students only, and prospective nondegree students must first obtain the instructor?s approval. Degree seeking students should go to the UIUC class schedule to identify a section they are eligible to enroll in. Please e-mail Prof. George Francis at gfrancis@illinois.edu to seek approval to take the course. This course is not available to high school students. The prerequisites are Math 347/348 or the equivalent in the fundamentals of mathematical discourse and proofs.
Graduate - Urbana-Champaign OCE Tuition $339.00 per Bill Hour, Undergrad - Urbana-Champaign OCE Tuition $304.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.