Mathematics

MATH 453  **Elementary Theory of Numbers**  credit: 3 OR 4 hours.

(MATH 353) Topics covered include divisibility, primes, congruences, quadratic reciprocity, and Farey sequences. 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 equivalent.

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>
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</thead>
<tbody>
<tr>
<td>38037</td>
<td>Lecture-Discussion</td>
<td>B13</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>341 - Altgeld Hall</td>
<td>Boylan, M</td>
</tr>
</tbody>
</table>

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

| 38040 | Lecture-Discussion | B14     | 09:00 AM - 09:50 AM | MWF  | 341 - Altgeld Hall | Boylan, M  |

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.

| 38042 | Lecture-Discussion | D13     | 11:00 AM - 11:50 AM | MWF  | 343 - Altgeld Hall | Alkan, E   |

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

| 38044 | Lecture-Discussion | D14     | 11:00 AM - 11:50 AM | MWF  | 343 - Altgeld Hall | Alkan, E   |

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.