Mathematics

MATH 453  **Elementary Theory of Numbers**  credit: 3 OR 4 hours.
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 241 (formerly MATH 243) or MATH 242, 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>
</tr>
</thead>
<tbody>
<tr>
<td>32140</td>
<td>Lecture-Discussion</td>
<td>D13</td>
<td>11:00 AM - 11:50 AM</td>
<td>MWF</td>
<td>148 - Henry Administration Bldg</td>
<td>Ford, K</td>
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</tbody>
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Credit Hours: 3 hours
Quant Reasoning II course.

| 32144 | Lecture-Discussion      | D14     | 11:00 AM - 11:50 AM | MWF  | 148 - Henry Administration Bldg | Ford, K    |

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

| 32147 | Lecture-Discussion      | X13     | 12:00 PM - 12:50 PM | MWF  | 141 - Altgeld Hall             | Stolarsky, K |

Credit Hours: 3 hours
Quant Reasoning II course.

| 32150 | Lecture-Discussion      | X14     | 12:00 PM - 12:50 PM | MWF  | 141 - Altgeld Hall             | Stolarsky, K |

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