Mathematics

MATH 461  **Probability Theory**  credit: 3 OR 4 hours.
Introduction to mathematical probability; includes the calculus of probability, combinatorial analysis, random variables, expectation, distribution functions, moment-generating functions, and central limit theorem. Same as STAT 451. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance. Prerequisite: MATH 241 or equivalent.

<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>30017</td>
<td>Lecture-Discussion</td>
<td>B3</td>
<td>09:00 AM - 09:50 AM</td>
<td>MTWRF</td>
<td>245 - Altgeld Hall</td>
<td>Carpenter, B</td>
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<tr>
<td></td>
<td>Lecture-Discussion</td>
<td>B3</td>
<td>02:00 PM - 02:50 PM</td>
<td>M</td>
<td>245 - Altgeld Hall</td>
<td>Carpenter, B</td>
</tr>
</tbody>
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Credit Hours: 3 hours

| 30019| Lecture-Discussion | B4      | 09:00 AM - 09:50 AM | MTWRF  | 245 - Altgeld Hall  | Carpenter, B |
|      | Lecture-Discussion | B4      | 02:00 PM - 02:50 PM | M      | 245 - Altgeld Hall  | Carpenter, B |

Credit Hours: 4 hours
Departmental Approval Required