## MATH 461  **Probability Theory I**  credit: 3 OR 4 hours.

(MATH 361) Introduction to mathematical probability; includes the calculus of probability, combinatorial analysis, random variables, expectation, distribution functions, moment-generating functions, and central limit theorem. Prepares students for MATH 466. Same as STAT 451. 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.

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<th>Time</th>
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<th>Location</th>
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<td>39200</td>
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<td>C13</td>
<td>10:00 AM - 10:50 AM</td>
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Credit Hours: 3 hours

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Credit Hours: 4 hours
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.

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