Mathematics

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>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>MTWRF</td>
<td>245 - Altgeld Hall</td>
<td>Zhu, Y</td>
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Credit Hours: 3 hours  
Meets 13-Jun-05 - 04-Aug-05.

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Credit Hours: 4 hours  
Meets 13-Jun-05 - 04-Aug-05.

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Online  
Restricted to MCS:Computer Sci Online -UIUC, MS:Electrical Engineering -UIUC, MS:Mechanical Engineering -UIUC, or NDEG:Grad Nondegree-CE-UIUC.  
Meets 16-May-05 - 04-Aug-05.  
Academic Outreach restrictions and assessments apply, see http://www.outreach.uiuc.edu; Please see http://online.engr.uiuc.edu/ descriptions/summer2005.htm for more details on this course.  
Graduate - Urbana-Champaign OCE Tuition $608.00 per Bill Hour, Undergrad - Urbana-Champaign OCE Tuition $608.00 per Bill Hour, Graduate - Urbana-Champaign OCE Fees $36.00 per Bill Hour, and Undergrad - Urbana-Champaign OCE Fees $36.00 per Bill Hour.