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. Credit is not given for both MATH 461 and either MATH 408 or ECE 313. 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>
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<td>38047</td>
<td>Lecture-Discussion</td>
<td>B13</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
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page 1 - Mathematics, Spring 2011
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Credit Hours: 4 hours
Instructor Approval Required
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Online
Restricted to MCS:Computer Sci Online -UIUC, MS:Mechanical Engineering -UIUC, or NDEG:Grad Nondegree-CE-UIUC.
Restricted to online non-degree, online MCS, and online MSME students. An extra substantive project is required for students enrolling for 4 hours. Academic Outreach restrictions and assessments apply, see http://www.outreach.uiuc.edu. For more details on this course section, please see http://online.engineering.illinois.edu/descriptions/spring2011.htm
OCE Tuition $925.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.

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Credit Hours: 3 hours
Uses Mathematica courseware. See http://www.math.uiuc.edu/timetable/ for details. Open to both undergraduate and graduate students.

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