**Mathematics**

**MATH 220  Calculus  credit: 5 hours.**

First course in calculus and analytic geometry; basic techniques of differentiation and integration with applications including curve sketching; antidifferentiation, the Riemann integral, fundamental theorem, exponential and trigonometric functions. Credit is not given for both MATH 220 and either MATH 221 or MATH 234. Prerequisite: An adequate ALEKS placement score as described at http://math.illinois.edu/ALEKS/, demonstrating knowledge of topics of MATH 115. Students with previous calculus experience should consider MATH 221.

Students must register for one discussion and one lecture section beginning with the same letter. Engineering students must obtain a dean's approval to drop this course after the second week of instruction.

This course satisfies the General Education Criteria for a:
Quantitative Reasoning I

<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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<tbody>
<tr>
<td>30963</td>
<td>Lecture-Discussion</td>
<td>C1</td>
<td>10:00 AM - 11:40 AM</td>
<td>MTWRF</td>
<td>1026 - Lincoln Hall</td>
<td>Lansing, J</td>
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<tr>
<td>36762</td>
<td>Lecture-Discussion</td>
<td>E1</td>
<td>01:00 PM - 02:40 PM</td>
<td>MTWRF</td>
<td>445 - Altgeld Hall</td>
<td>Gupta, N</td>
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Quant Reasoning I course.
Departmental Approval Required

An ALEKS math placement score of at least 70%, with a test date of February 10, 2013 or later, is required for approval to register for this course. Please send name, UIN, and "Summer Math 220" to mathadvising@illinois.edu once you have met this requirement. See http://math.illinois.edu/ALEKS for more information.