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 in Fall and Spring terms only. 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>
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<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
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Quantitative Reasoning I course. Departmental Approval Required For Merit Workshop students only. For further information see http://www.math.uiuc.edu/timetable/

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Quantitative Reasoning I course.

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Quantitative Reasoning I course.

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Quantitative Reasoning I course.
For Unit One and other LLC students only. Placement in this course requires a recent U of I Math Placement Exam score of at least 80%. Failure to achieve the minimum score will result in removal from the course. For details see http://math.illinois.edu/ALEKS

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Restricted to Food Science & Human Nutrition or Natural Resrcs & Environ Sci or Natural Res & Env Sciences or Biology or Kinesiology or Molecular and Cellular Biology or Integrative Biology or Other Mathematics major(s). This newly designed section is offered to students in Biology, IB, MCB, and related life science majors who are interested in seeing mathematical ideas being directly applied to exciting biological problems. While the material consists of standard Math 220 topics, it will be taught with examples from the biological sciences using a special life sciences math textbook. It will include an introduction to R. Placement in this course requires an adequate, recent score on the U of I ALEKS math placement exam, as described at [http://math.illinois.edu/ALEKS](http://math.illinois.edu/ALEKS). Students planning to transfer to a life sciences major may e-mail mathadvising@illinois.edu with name, netid, UIN, current major, and “BioCalculus approval request” in order to request registration approval, space permitting.