Mathematics

MATH 231  **Calculus II**  credit: 3 hours.
Second course in calculus and analytic geometry: techniques of integration, conic sections, polar coordinates, and infinite series. Prerequisite: MATH 220 or 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>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</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/](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.

Not intended for Civil Engineering or Computer Engineering or Computer Science or Electrical Engineering or Engineering Mechanics or Industrial Engineering or Mechanical Engineering or Physics or Chemical Engineering or Bioengineering or Statistics & Computer Science or Engineering-Undeclared or Math & Computer Science or Aerospace Engineering or Agricultural & Biological Engr or Nuclear, Plasma, Radiolg Encr or Computer Sci & Anthropology or Systems Engineering and Design major(s).

New freshmen in Engineering or Engineering-rate majors must enroll in lecture EL1 or EL2. Continuing students in Engineering who register after May 25, 2017, should e-mail mathadvising@illinois.edu with name, UIN, and continuing status to receive an override.

<table>
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<tr>
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<th>Type</th>
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Quantitative Reasoning I course.

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Restricted to Civil Engineering or Computer Engineering or Computer Science or Electrical Engineering or Engineering Mechanics or Engineering Physics or General Engineering or Industrial Engineering or Materials Science & Engr or Mechanical Engineering or Physics or Chemical Engineering or Bioengineering or Statistics & Computer Science or Math & Computer Science or Aerospace Engineering or Agricultural & Biological Engr or Nuclear, Plasma, Radiolgc Engr or Engineering Undeclared or Computer Sci & Anthropology or Computer Sci & Astronomy or Computer Sci & Chemistry or Computer Sci & Linguistics or Systems Engineering and Design or Pre-Engineering major(s).

Restricted to new freshmen in the College of Engineering and certain other majors. Students registering for this course must add three CRNs at the same time on the Add/Drop page (not the Class Lookup) to get into the class: 46880 for the lecture, 50014 for the extra credit, and one more for an ED discussion.

Restricted to First Time Freshman students.

Must enroll concurrently in MATH 299 50014.

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Must enroll concurrently in MATH 299 50015.