Mathematics

MATH 241  **Calculus III**  credit: 4 hours.

Third course in calculus and analytic geometry including vector analysis: Euclidean space, partial differentiation, multiple integrals, line integrals and surface integrals, the integral theorems of vector calculus. Credit is not given for both MATH 241 and MATH 292. Prerequisite: MATH 231.

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 II

<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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</thead>
<tbody>
<tr>
<td>33478</td>
<td>Lecture-Discussion</td>
<td>D1</td>
<td>11:00 AM - 12:20 PM</td>
<td>MTWF</td>
<td>141 - Altgeld Hall</td>
<td>Nell, T</td>
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</tbody>
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Quantitative Reasoning II course.

| 35278  | Lecture-Discussion | E1     | 01:00 PM - 02:20 PM | MTWF  | 241 - Altgeld Hall | Folwaczny, L |

Quantitative Reasoning II course.

| 38309  | Online           | ONL    | ARRANGED -       |       | -               | Carpenter, B |

Quantitative Reasoning II course.

This section has an online format and requires access to Mathematica-based courseware. Students will receive information about how to sign up for an account in Mathable ($99) after enrollment in the course. This course contains multiple paper-based exams that must be taken with an approved proctor. Exams may be taken on campus with NetMath proctoring; for off-campus options see https://netmath.illinois.edu/offcampus. Off-campus proctors must be able to scan completed exams and email them to NetMath for grading, as well as mailing the paper exam back for archival purposes. Please contact netmath@illinois.edu with any questions.

A 16-week self-paced version of this class is also available as part of the academic year term (not summer term). Registration for the self-paced class is done through https://netmath.illinois.edu/Register (not Self-Service). Students who will be on campus during Summer Session 2 are encouraged to select the on-campus section of this course.