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>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>36762</td>
<td>Lecture-Discussion</td>
<td>E1</td>
<td>01:00 PM - 02:40 PM</td>
<td>MTWRF</td>
<td>141 - Altgeld Hall</td>
<td>Ahmed, I</td>
</tr>
</tbody>
</table>

Quantitative Reasoning I course.

An ALEKS PPL math placement score of at least 80%, with a test date of February 11, 2018 or later, is required to be able to
register for this course. There may be a 1 business day delay after earning the score before Self-Service allows registration. Those
who have passed ALEKS PPL close to June 12 may wish to email mathadvising@illinois.edu with name, netid, and UIN to request
an override to allow registration sooner. For more ALEKS PPL information please see http://math.illinois.edu/ALEKS for more
information.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>38306</td>
<td>Online</td>
<td>ONL</td>
<td>ARRANGED -</td>
<td></td>
<td>Carpenter, B</td>
</tr>
</tbody>
</table>

Quantitative Reasoning I course.

Departmental Approval Required
Most students interested in this course should take on-campus section E1 or else the online self-paced Math 220 class with
registration through........ https://netmath.illinois.edu/academics/netmath-courses-college-students ........Section ONL is restricted to
students who cannot take the self-paced version because they have financial aid for summer........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........Must have a recent passing ALEKS score in order to be able to register. Please
see http://math.illinois.edu/ALEKS. After the ALEKS prerequisite has been met, please email mathadvising@illinois.edu with name,
netid, UIN, and explanation of financial aid situation for permission to register in MATH 220 ONL.