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. Credit is not given for both MATH 231 and MATH 230. Prerequisite: MATH 220 or MATH 221.

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>46844</td>
<td>Discussion/Recitation</td>
<td>AD1</td>
<td>08:00 AM - 08:50 AM</td>
<td>TR</td>
<td>142 - Henry Administration Bldg</td>
<td>Kim, E</td>
</tr>
<tr>
<td>46849</td>
<td>Discussion/Recitation</td>
<td>AD2</td>
<td>09:00 AM - 09:50 AM</td>
<td>TR</td>
<td>140 - Henry Administration Bldg</td>
<td>Kim, E</td>
</tr>
<tr>
<td>46851</td>
<td>Discussion/Recitation</td>
<td>AD3</td>
<td>10:00 AM - 10:50 AM</td>
<td>TR</td>
<td>147 - Altgeld Hall</td>
<td>Vlasic, A</td>
</tr>
<tr>
<td>46853</td>
<td>Discussion/Recitation</td>
<td>AD4</td>
<td>01:00 PM - 01:50 PM</td>
<td>TR</td>
<td>147 - Altgeld Hall</td>
<td>Slutskyy, K</td>
</tr>
<tr>
<td>46856</td>
<td>Discussion/Recitation</td>
<td>AD5</td>
<td>02:00 PM - 02:50 PM</td>
<td>TR</td>
<td>148 - Henry Administration Bldg</td>
<td>Slutskyy, K</td>
</tr>
<tr>
<td>49232</td>
<td>Discussion/Recitation</td>
<td>AD7</td>
<td>12:00 PM - 12:50 PM</td>
<td>TR</td>
<td>447 - Altgeld Hall</td>
<td>Vlasic, A</td>
</tr>
<tr>
<td>46860</td>
<td>Lecture</td>
<td>AL1</td>
<td>08:00 AM - 08:50 AM</td>
<td>MW</td>
<td>66 - Library</td>
<td>Bergvelt, M</td>
</tr>
</tbody>
</table>

Quant Reasoning I course.
Not intended for Engineering.
This section is closed to new Engineering and Physics freshmen. Open to all others. Non-freshman students in Engineering or Physics should contact the Math Undergraduate Office (advising@math.uiuc.edu) for a restriction override to enable registration.

<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>50605</td>
<td>Discussion/Recitation</td>
<td>BD0</td>
<td>11:00 AM - 11:50 AM</td>
<td>TR</td>
<td>445 - Altgeld Hall</td>
<td>Duffy, M Masud, A</td>
</tr>
</tbody>
</table>

Quant Reasoning I course.
<table>
<thead>
<tr>
<th>CRN</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>46861</td>
<td>Discussion/Recitation BD1</td>
<td>09:00 AM - 09:50 AM</td>
<td>TR</td>
<td>443 - Altgeld Hall</td>
<td>Duffy, M Masud, A</td>
</tr>
<tr>
<td>46862</td>
<td>Discussion/Recitation BD2</td>
<td>10:00 AM - 10:50 AM</td>
<td>TR</td>
<td>149 - Henry Administration Bldg</td>
<td>Kim, K Masud, A</td>
</tr>
<tr>
<td>46864</td>
<td>Discussion/Recitation BD3</td>
<td>11:00 AM - 11:50 AM</td>
<td>TR</td>
<td>147 - Altgeld Hall</td>
<td>Jourmaa, H Masud, A</td>
</tr>
<tr>
<td>46865</td>
<td>Discussion/Recitation BD4</td>
<td>12:00 PM - 12:50 PM</td>
<td>TR</td>
<td>343 - Altgeld Hall</td>
<td>Kim, K Masud, A</td>
</tr>
<tr>
<td>46868</td>
<td>Discussion/Recitation BD5</td>
<td>01:00 PM - 01:50 PM</td>
<td>TR</td>
<td>445 - Altgeld Hall</td>
<td>Kwack, J Masud, A</td>
</tr>
<tr>
<td>46877</td>
<td>Discussion/Recitation BD6</td>
<td>03:00 PM - 03:50 PM</td>
<td>TR</td>
<td>443 - Altgeld Hall</td>
<td>Kwack, J Masud, A</td>
</tr>
<tr>
<td>49233</td>
<td>Discussion/Recitation BD7</td>
<td>01:00 PM - 01:50 PM</td>
<td>TR</td>
<td>441 - Altgeld Hall</td>
<td>Masud, A Patrick, J</td>
</tr>
<tr>
<td>49990</td>
<td>Discussion/Recitation BD8</td>
<td>03:00 PM - 03:50 PM</td>
<td>TR</td>
<td>145 - Altgeld Hall</td>
<td>Patrick, J</td>
</tr>
<tr>
<td>50606</td>
<td>Discussion/Recitation BD9</td>
<td>12:00 PM - 12:50 PM</td>
<td>TR</td>
<td>140 - Henry Administration Bldg</td>
<td>Ahlgren, S Masud, A</td>
</tr>
<tr>
<td>46880</td>
<td>Lecture BL1</td>
<td>12:00 PM - 12:50 PM</td>
<td>MWF</td>
<td>100 - Materials Science &amp; Eng Bld</td>
<td>Ahlgren, S</td>
</tr>
<tr>
<td>46881</td>
<td>Discussion/Recitation CD1</td>
<td>08:00 AM - 08:50 AM</td>
<td>TR</td>
<td>243 - Altgeld Hall</td>
<td>Anstadt, E Masud, A</td>
</tr>
</tbody>
</table>

Quant Reasoning I course.
Restricted to Engineering.
Restricted to new freshmen in the College of Engineering.
Must enroll concurrently in MATH 299 50014.
<table>
<thead>
<tr>
<th>CRN</th>
<th>Course Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>46882</td>
<td>Discussion/Recitation</td>
<td>CD2</td>
<td>10:00 AM - 10:50 AM</td>
<td>TR</td>
<td>141 - Altgeld Hall</td>
<td>Masud, A, Milans, K</td>
</tr>
<tr>
<td>46883</td>
<td>Discussion/Recitation</td>
<td>CD3</td>
<td>11:00 AM - 11:50 AM</td>
<td>TR</td>
<td>441 - Altgeld Hall</td>
<td>Masud, A, Milans, K</td>
</tr>
<tr>
<td>46888</td>
<td>Discussion/Recitation</td>
<td>CD5</td>
<td>01:00 PM - 01:50 PM</td>
<td>TR</td>
<td>143 - Henry Administration Bldg</td>
<td>Joumaa, H, Masud, A</td>
</tr>
<tr>
<td>46889</td>
<td>Discussion/Recitation</td>
<td>CD6</td>
<td>02:00 PM - 02:50 PM</td>
<td>TR</td>
<td>341 - Altgeld Hall</td>
<td>Liu, C, Masud, A</td>
</tr>
<tr>
<td>46896</td>
<td>Discussion/Recitation</td>
<td>CD7</td>
<td>03:00 PM - 03:50 PM</td>
<td>TR</td>
<td>143 - Altgeld Hall</td>
<td>Anstadt, E, Masud, A</td>
</tr>
<tr>
<td>46897</td>
<td>Lecture</td>
<td>CL1</td>
<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>213 - Gregory Hall</td>
<td>Ando, M</td>
</tr>
</tbody>
</table>

Quant Reasoning I course.
Restricted to Engineering.
Restricted to new freshmen in the College of Engineering. Must enroll concurrently in Math 299 C CRN 50015. Must enroll concurrently in MATH 299 50015.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>46899</td>
<td>Discussion/Recitation</td>
<td>DD2</td>
<td>11:00 AM - 11:50 AM</td>
<td>TR</td>
<td>140 - Henry Administration Bldg</td>
<td>Lenz, J</td>
</tr>
<tr>
<td>46900</td>
<td>Discussion/Recitation</td>
<td>DD3</td>
<td>12:00 PM - 12:50 PM</td>
<td>TR</td>
<td>143 - Henry Administration Bldg</td>
<td>Lenz, J</td>
</tr>
<tr>
<td>46901</td>
<td>Discussion/Recitation</td>
<td>DD4</td>
<td>01:00 PM - 01:50 PM</td>
<td>TR</td>
<td>447 - Altgeld Hall</td>
<td>Miles, J</td>
</tr>
<tr>
<td>46905</td>
<td>Discussion/Recitation</td>
<td>DD5</td>
<td>02:00 PM - 02:50 PM</td>
<td>TR</td>
<td>143 - Henry Administration Bldg</td>
<td>Kinnersley, W</td>
</tr>
</tbody>
</table>

Quant Reasoning I course.
<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>46906</td>
<td>Discussion/Recitation</td>
<td>DD6</td>
<td>03:00 PM - 03:50 PM</td>
<td>TR</td>
<td>149 - Henry Administration Bldg</td>
<td>Lansing, J</td>
</tr>
<tr>
<td></td>
<td>Quant Reasoning I course.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46907</td>
<td>Discussion/Recitation</td>
<td>DD7</td>
<td>02:00 PM - 02:50 PM</td>
<td>TR</td>
<td>447 - Altgeld Hall</td>
<td>Lansing, J</td>
</tr>
<tr>
<td></td>
<td>Quant Reasoning I course.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49238</td>
<td>Discussion/Recitation</td>
<td>DD8</td>
<td>11:00 AM - 12:50 PM</td>
<td>TR</td>
<td>159 - Altgeld Hall</td>
<td>Fryer, D</td>
</tr>
<tr>
<td></td>
<td>Quant Reasoning I course.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Departmental Approval Required</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>For Merit Workshop students only. For further information see <a href="http://www.math.uiuc.edu/timetable/">http://www.math.uiuc.edu/timetable/</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46908</td>
<td>Lecture</td>
<td>DL1</td>
<td>03:00 PM - 03:50 PM</td>
<td>MW</td>
<td>100 - Materials Science &amp; Eng Bld</td>
<td>Miles, J</td>
</tr>
<tr>
<td></td>
<td>Quant Reasoning I course.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not intended for Engineering.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>This section is closed to new Engineering and Physics freshmen. Open to all others. Non-freshman students in Engineering or Physics should contact the Math Undergraduate Office (<a href="mailto:advising@math.uiuc.edu">advising@math.uiuc.edu</a>) for a restriction override to enable registration.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46909</td>
<td>Lecture-Discussion</td>
<td>E1H</td>
<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>148 - Henry Administration Bldg</td>
<td>Dunfield, N</td>
</tr>
<tr>
<td></td>
<td>Quant Reasoning I course.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not intended for Engineering.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Honors section. Grade of A in Math 220 (221) or score of 5 on AP Calculus AB exam required. Requires concurrent enrollment in Math 249 Q1H CRN 32044. See <a href="http://www.math.uiuc.edu/timetable/">http://www.math.uiuc.edu/timetable/</a> for details.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46910</td>
<td>Laboratory</td>
<td>EB1</td>
<td>03:00 PM - 04:50 PM</td>
<td>M</td>
<td>159 - Altgeld Hall</td>
<td>Szuta, P</td>
</tr>
<tr>
<td></td>
<td>Quant Reasoning I course.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Small group learning lab. Must also sign up for Math 231 EE1 CRN 46911.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>52789</td>
<td>Discussion/Recitation</td>
<td>ED1</td>
<td>09:00 AM - 09:50 AM</td>
<td>TR</td>
<td>341 - Altgeld Hall</td>
<td>Tran, K</td>
</tr>
<tr>
<td></td>
<td>Quant Reasoning I course.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>52791</td>
<td>Discussion/Recitation</td>
<td>ED3</td>
<td>02:00 PM - 02:50 PM</td>
<td>TR</td>
<td>141 - Altgeld Hall</td>
<td>Tran, K</td>
</tr>
<tr>
<td></td>
<td>Quant Reasoning I course.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46911</td>
<td>Lecture-Discussion</td>
<td>EE1</td>
<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>241 - Altgeld Hall</td>
<td>Szuta, P</td>
</tr>
<tr>
<td></td>
<td>Quant Reasoning I course.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Uses small group learning methods. See <a href="http://www.math.uiuc.edu/timetable/">http://www.math.uiuc.edu/timetable/</a> for details. Must also sign up for Math 231 EB1 CRN 46910.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Type</td>
<td>Time</td>
<td>Days</td>
<td>Location</td>
<td>Instructor</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-----------------------</td>
<td>--------------------</td>
<td>------</td>
<td>---------------------------</td>
<td>------------</td>
<td></td>
</tr>
<tr>
<td>52788</td>
<td>Lecture</td>
<td>12:00 PM - 12:50 PM</td>
<td>MW</td>
<td>23 - Psychology Building</td>
<td>Choi, G</td>
<td></td>
</tr>
<tr>
<td>46898</td>
<td>Discussion/Recitation</td>
<td>09:00 AM - 09:50 AM</td>
<td>TR</td>
<td>149 - Henry Administration Bldg</td>
<td>Kinnersley, W</td>
<td></td>
</tr>
<tr>
<td>52032</td>
<td>Discussion/Recitation</td>
<td>09:00 AM - 09:50 AM</td>
<td>TR</td>
<td>149 - Henry Administration Bldg</td>
<td>Kinnersley, W</td>
<td></td>
</tr>
<tr>
<td>52033</td>
<td>Lecture</td>
<td>03:00 PM - 03:50 PM</td>
<td>MW</td>
<td>100 - Materials Science &amp; Eng Bld</td>
<td>Miles, J</td>
<td></td>
</tr>
<tr>
<td>52034</td>
<td>Lecture</td>
<td>03:00 PM - 03:50 PM</td>
<td>MW</td>
<td>100 - Materials Science &amp; Eng Bld</td>
<td>Miles, J</td>
<td></td>
</tr>
<tr>
<td>46916</td>
<td>Lecture-Discussion</td>
<td>11:00 AM - 12:50 PM</td>
<td>MWF</td>
<td>173 - Altgeld Hall</td>
<td>Kelsey, G</td>
<td></td>
</tr>
<tr>
<td>46918</td>
<td>Lecture-Discussion</td>
<td>09:00 AM - 10:50 AM</td>
<td>MWF</td>
<td>159 - Altgeld Hall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>46919</td>
<td>Laboratory-Discussion</td>
<td>12:00 PM - 12:50 PM</td>
<td>MWF</td>
<td>24 - Illini Hall</td>
<td>Seceleanu, A</td>
<td></td>
</tr>
</tbody>
</table>

Quant Reasoning I course.

Must enroll concurrently in LAS 100 33221.

Quant Reasoning I course.

Must enroll concurrently in LAS 100 33236.

Quant Reasoning I course.

Must enroll concurrently in LAS 100 33221.

Quant Reasoning I course.

Reserved for incoming LAS freshmen only. If you have questions about your qualifications for this program please go to http://www.las.uiuc.edu/learningcommunity/ Must enroll concurrently in LAS 100 33221.

Quant Reasoning I course.

Reserved for incoming LAS freshmen only. If you have questions about your qualifications for this program please go to http://www.las.uiuc.edu/learningcommunity/ Must enroll concurrently in LAS 100 33236.

Quant Reasoning I course.

For Merit Workshop students only. For further information see http://www.math.uiuc.edu/timetable/

Quant Reasoning I course.

For Merit Workshop students only. For further information see http://www.math.uiuc.edu/timetable/

Quant Reasoning I course.