Mathematics

MATH 415  **Linear Algebra**  credit: 3 OR 4 hours.
Introductory course emphasizing techniques of linear algebra; topics include matrix operations, determinants, linear equations, vector spaces, linear transformations, eigenvalues, and eigenvectors. 3 undergraduate hours. 3 or 4 graduate hours. 4 hours of credit requires approval of the instructor and completion of additional work of substance. Credit not given for both MATH 225 and either MATH 125 or MATH 415. Prerequisite: MATH 242 or MATH 243.

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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<tbody>
<tr>
<td>37957</td>
<td>Lecture-Discussion</td>
<td>A13</td>
<td>08:00 AM - 08:50 AM</td>
<td>MWF</td>
<td>245 - Altgeld Hall</td>
<td>Fossum, R</td>
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<td>Kedem, R</td>
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Credit Hours: 3 hours
Quant Reasoning II course.
Instructor Approval Required
Not intended for Undergrad - Urbana-Champaign.
Instructor approval forms available in 313 Altgeld Hall.
Open to both undergraduate and graduate students.

<table>
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<th>Course Code</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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<td>156 - Henry Administration Bldg</td>
<td>Kedem, R</td>
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Credit Hours: 4 hours
Quant Reasoning II course.
Instructor Approval Required
Not intended for Undergrad - Urbana-Champaign.
Instructor approval forms available in 313 Altgeld Hall.

<table>
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<th>Course Code</th>
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<th>Time</th>
<th>Days</th>
<th>Location</th>
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<tbody>
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<td>10:30 AM - 11:50 AM</td>
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<td>156 - Henry Administration Bldg</td>
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Credit Hours: 3 hours
Quant Reasoning II course.
Open to both undergraduate and graduate students.

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<th>Course Code</th>
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Credit Hours: 4 hours
Quant Reasoning II course.
Instructor Approval Required
Not intended for Undergrad - Urbana-Champaign.
Instructor approval forms available in 221 Altgeld Hall beginning January 13, 2005.

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<th>Course Code</th>
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Credit Hours: 3 hours
Quant Reasoning II course.
Section Z8 will be taught asynchronously using Mathematica courseware. See http://www.math.uiuc.edu/timetable/ for further details. Open to both undergraduate and graduate students.

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<tr>
<th>Course Code</th>
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Credit Hours: 4 hours
Quant Reasoning II course.
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