Class Schedule - Fall 2011

Mathematics

MATH 415  **Applied Linear Algebra**  credit: 3 OR 4 hours.
Introductory course emphasizing techniques of linear algebra with applications to engineering; topics include matrix operations, determinants, linear equations, vector spaces, linear transformations, eigenvalues, and eigenvectors, inner products and norms, orthogonality, equilibrium, and linear dynamical systems. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance. Credit is not given for both MATH 415 and any of MATH 125, MATH 225, or MATH 410. Prerequisite: MATH 241 or consent of instructor.

<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>34447</td>
<td>Lecture-Discussion</td>
<td>B13</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>156 - Henry Administration Bldg</td>
<td>Sabok, M</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Restricted to Computer Engineering or Computer Science or Electrical Engineering or Engineering Mechanics or Engineering Physics or General Engineering or Industrial Engineering or Mechanical Engineering or Physics or Chemical Engineering or Statistics or Mathematics or Statistics & Computer Science or Math & Computer Science major(s).

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<tbody>
<tr>
<td>39123</td>
<td>Lecture-Discussion</td>
<td>B14</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>156 - Henry Administration Bldg</td>
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</tbody>
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Credit Hours: 4 hours
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.

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<tbody>
<tr>
<td>34430</td>
<td>Lecture-Discussion</td>
<td>D13</td>
<td>11:00 AM - 11:50 AM</td>
<td>MWF</td>
<td>156 - Henry Administration Bldg</td>
<td>Sabok, M</td>
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<tr>
<td>39120</td>
<td>Lecture-Discussion</td>
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<td>11:00 AM - 11:50 AM</td>
<td>MWF</td>
<td>156 - Henry Administration Bldg</td>
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<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>34374</td>
<td>Lecture-Discussion</td>
<td>E13</td>
<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>156 - Henry Administration Bldg</td>
<td>Validashti Dizgam, J</td>
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<th>Location</th>
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<td>39118</td>
<td>Lecture-Discussion</td>
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<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>156 - Henry Administration Bldg</td>
<td>Dizgam, J</td>
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<tr>
<td>39118</td>
<td>Laboratory-Discussion</td>
<td>F83</td>
<td>02:00 PM - 02:50 PM</td>
<td>MWF</td>
<td>245 - Altgeld Hall</td>
<td>Carpenter, B</td>
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<tr>
<td>39118</td>
<td>Laboratory-Discussion</td>
<td>F84</td>
<td>02:00 PM - 02:50 PM</td>
<td>MWF</td>
<td>245 - Altgeld Hall</td>
<td>Carpenter, B</td>
</tr>
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<td>34419</td>
<td>Lecture-Discussion</td>
<td>P13</td>
<td>11:00 AM - 12:20 PM</td>
<td>TR</td>
<td>245 - Altgeld Hall</td>
<td>Haboush, W</td>
</tr>
</tbody>
</table>

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Restricted to Graduate - Urbana-Champaign.

Online
Restricted to MS: Civil Engr - Online - UIUC, MCS:Computer Sci Online -UIUC, MS:Mechanical Engineering -UIUC, or NDEG:Grad Nondegree-CE-UlUC.
Restricted to online non-degree, online MCS, online MSME and online MS CE students. Online & Continuing Education (OCE) restrictions and assessments apply, see http://www.oce.illinois.edu. For more details on this course section, please see http://online.engineering.illinois.edu/descriptions/fall2011.htm
OCE Tuition $988.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.

Uses Mathematica courseware. See http://www.math.uiuc.edu/timetable/ for details. Enrollment is restricted to majors requiring this course. For questions contact advising@math.uiuc.edu. Remaining seats may be made available after priority registration ends or on the first day of class.
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<table>
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<tr>
<th>39121</th>
<th>Lecture-Discussion</th>
<th>P14</th>
<th>11:00 AM - 12:20 PM</th>
<th>TR</th>
<th>245 - Altgeld Hall</th>
<th>Haboush, W</th>
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<table>
<thead>
<tr>
<th>56458</th>
<th>Lecture-Discussion</th>
<th>X13</th>
<th>12:00 PM - 12:50 PM</th>
<th>MWF</th>
<th>253 - Mechanical Engineering Bldg</th>
<th>Validashti Dizgam, J</th>
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<th>56459</th>
<th>Lecture-Discussion</th>
<th>X14</th>
<th>12:00 PM - 12:50 PM</th>
<th>MWF</th>
<th>253 - Mechanical Engineering Bldg</th>
<th>Validashti Dizgam, J</th>
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</thead>
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