Mathematics

MATH 481  **Vector and Tensor Analysis**  credit: 3 OR 4 hours.
Vector spaces, transformation properties, covariant and contravariant tensors, and differential geometry of surfaces; applications to relativity theory. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance. Prerequisite: MATH 241 or MATH 380, or equivalent; or consent of instructor.

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<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
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<td>38087</td>
<td>Lecture-Discussion</td>
<td>E13</td>
<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>343 - Altgeld Hall</td>
<td>Kapovitch, I</td>
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<td>Open to both undergraduate and graduate students.</td>
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<td>MWF</td>
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<td>Not intended for Undergrad - Urbana-Champaign.</td>
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<td>Instructor approval forms available in 313 Altgeld Hall.</td>
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