Mathematics

MATH 380  Advanced Calculus  credit: 3 hours.
Introductory study of vector calculus and functions of several variables; topics include directional derivatives; Jacobians; change of
variables in multiple integrals; maxima and minima; line and surface integrals; theorems of Gauss, Green, and Stokes; infinite series;
and uniform convergence. Prerequisite: MATH 242 or MATH 243, or equivalent.

This course satisfies the General Education Criteria for a:
Quantitative Reasoning II

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<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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<tr>
<td>30973</td>
<td>Lecture-Discussion</td>
<td>B1</td>
<td>09:00 AM - 09:50 AM</td>
<td>MTWR</td>
<td>343 - Altgeld Hall</td>
<td>Nikolaev, I</td>
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<td>Lecture-Discussion</td>
<td>B1</td>
<td>03:00 PM - 03:50 PM</td>
<td>W</td>
<td>343 - Altgeld Hall</td>
<td>Nikolaev, I</td>
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Quant Reasoning II course.