Mathematics

MATH 423  **Differential Geometry**  credit: 3 OR 4 hours.

(MATH 323) Applications of the calculus to the study of the shape and curvature of curves and surfaces; introduction to vector fields, differential forms on Euclidean spaces, and the method of moving frames for low-dimensional differential geometry. 3 undergraduate hours. 3 or 4 graduate hours. 4 hours of credit requires approval of the instructor and completion of additional work of substance.

Prerequisite: MATH 242 or MATH 243, or equivalent.

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>
</tr>
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<tbody>
<tr>
<td>39127</td>
<td>Lecture-Discussion</td>
<td>E1G</td>
<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>241 - Altgeld Hall</td>
<td>Reznick, B</td>
</tr>
</tbody>
</table>

Quant Reasoning II course.
Restricted to Graduate - Urbana-Champaign.

| 30352| Lecture-Discussion  | E1U     | 01:00 PM - 01:50 PM | MWF  | 241 - Altgeld Hall | Reznick, B |

Credit Hours: 3 hours
Quant Reasoning II course.
Restricted to Undergrad - Urbana-Champaign.