Mathematics

MATH 423  **Differential Geometry**  credit: 3 OR 4 hours.
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. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance. Prerequisite: MATH 241 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>
</thead>
<tbody>
<tr>
<td>30352</td>
<td>Lecture-Discussion</td>
<td>S13</td>
<td>02:00 PM - 03:20 PM</td>
<td>TR</td>
<td>260 - Mechanical Engineering Bldg</td>
<td>Kerman, E</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Quant Reasoning II course.

| 39127| Lecture-Discussion  | S14     | 02:00 PM - 03:20 PM | TR   | 260 - Mechanical Engineering Bldg | Kerman, E  |

Credit Hours: 4 hours
Quant Reasoning II course.
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.