Mathematics

MATH 446  **Applied Complex Variables**  credit: 3 OR 4 hours.
For students who desire a working knowledge of complex variables; covers the standard topics and gives an introduction to integration by residues, the argument principle, conformal maps, and potential fields. Students desiring a systematic development of the foundations of the subject should take MATH 448. 3 or 4 undergraduate hours. 3 or 4 graduate hours. Credit is not given for both MATH 446 and MATH 448. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance. Prerequisite: MATH 241.

<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>30014</td>
<td>Lecture-Discussion</td>
<td>X3</td>
<td>12:00 PM - 12:50 PM</td>
<td>R</td>
<td>243 - Altgeld Hall</td>
<td>Miles, J</td>
</tr>
<tr>
<td></td>
<td>Lecture-Discussion</td>
<td>X3</td>
<td>01:00 PM - 01:50 PM</td>
<td>MTWRF</td>
<td>243 - Altgeld Hall</td>
<td>Miles, J</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours

<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>30015</td>
<td>Lecture-Discussion</td>
<td>X4</td>
<td>12:00 PM - 12:50 PM</td>
<td>R</td>
<td>243 - Altgeld Hall</td>
<td>Miles, J</td>
</tr>
<tr>
<td></td>
<td>Lecture-Discussion</td>
<td>X4</td>
<td>01:00 PM - 01:50 PM</td>
<td>MTWRF</td>
<td>243 - Altgeld Hall</td>
<td>Miles, J</td>
</tr>
</tbody>
</table>

Credit Hours: 4 hours
Departmental Approval Required