Mathematics

MATH 446  **Applied Complex Variables**  credit: 3 OR 4 hours.

(MATH 346) 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 undergraduate hours. 3 or 4 graduate hours. 4 hours of credit requires approval of the instructor and completion of additional work of substance. Credit is not given for both MATH 446 and MATH 448. Prerequisite: MATH 243 or MATH 380 or consent of instructor.

<table>
<thead>
<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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<tbody>
<tr>
<td>30014</td>
<td>Lecture-Discussion</td>
<td>X13</td>
<td>12:00 PM - 12:50 PM</td>
<td>MTWRF</td>
<td>145 - Altgeld Hall</td>
<td>Nikolaev, I</td>
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<tr>
<td></td>
<td>Lecture-Discussion</td>
<td>X13</td>
<td>01:00 PM - 01:50 PM</td>
<td></td>
<td>145 - Altgeld Hall</td>
<td>Nikolaev, I</td>
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Credit Hours: 3 hours

| 30015| Lecture-Discussion  | X14     | 12:00 PM - 12:50 PM| MTWRF | 145 - Altgeld Hall | Nikolaev, I |
|      | Lecture-Discussion  | X14     | 01:00 PM - 01:50 PM|       | 145 - Altgeld Hall | Nikolaev, I |

Credit Hours: 4 hours