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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</thead>
<tbody>
<tr>
<td>38027</td>
<td>Lecture-Discussion</td>
<td>M13</td>
<td>09:00 AM - 10:20 AM</td>
<td>TR</td>
<td>140 - Henry Administration Bldg</td>
<td>Wu, J</td>
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Credit Hours: 3 hours  
Open to both undergraduate and graduate students.

| 38028 | Lecture-Discussion | M14     | 09:00 AM - 10:20 AM | TR   | 140 - Henry Administration Bldg | Wu, J      |

Credit Hours: 4 hours  
Instructor Approval Required  
Not intended for Undergrad - Urbana-Champaign.  
Instructor approval forms available in 221 Altgeld Hall beginning January 13, 2005.