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. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance. Credit is not given for both MATH 446 and MATH 448. 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>30355</td>
<td>Lecture-Discussion</td>
<td>C13</td>
<td>10:00 AM - 10:50 AM</td>
<td>MWF</td>
<td>347 - Altgeld Hall</td>
<td>Wu, J</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours

| 39130  | Lecture-Discussion  | C14     | 10:00 AM - 10:50 AM| MWF  | 347 - Altgeld Hall| Wu, J      |

Credit Hours: 4 hours
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.

| 48245  | Online              | EGR     | ARRANGED -         | -    |                   | Peressini, A|

Credit Hours: 4 hours
Online
Restricted to MS: Civil Engr - Online - UIUC, MCS:Computer Sci Online -UIUC, MS:Mechanical Engineering -UIUC, or NDEG:Grad Nondegree-CE/UIUC.

: Restricted to online non-degree, online MCS, online MSME and online MS CE students. Online & Continuing Education (OCE) restrictions and assessments apply, see http://www.oce.illinois.edu. For more details on this course section, please see http://online.engineering.illinois.edu/descriptions/fall2011.htm

OCE Tuition $988.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.