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>58520</td>
<td>Lecture-Discussion</td>
<td>C13</td>
<td>10:00 AM - 10:50 AM</td>
<td>MWF</td>
<td>147 - Altgeld Hall</td>
<td>Ahlgren, S Merenkov, S</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Open to both undergraduate and graduate students.

| 58862 | Lecture-Discussion  | C14     | 10:00 AM - 10:50 AM | MWF  | 147 - Altgeld Hall | Merenkov, S     |

Credit Hours: 4 hours
Departmental Approval Required
Instructor approval forms available in 313 Altgeld Hall beginning on the first day of Spring semester.

| 53611 | Online              | EGR     | ARRANGED -       |      |                 | Peressini, A    |

Credit Hours: 4 hours
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 MSCEE students. For more details on this course section, please see [http://online.engineering.illinois.edu/current-students/course-information/spring-2014-credit-course-offerings](http://online.engineering.illinois.edu/current-students/course-information/spring-2014-credit-course-offerings). Center for Innovation in Teaching & Learning (CITL) restrictions and assessments apply, see [http://www.citl.illinois.edu](http://www.citl.illinois.edu).
OCE Tuition $1017.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.