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.

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<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>59648</td>
<td>Lecture-Discussion</td>
<td>C13</td>
<td>10:00 AM - 10:50 AM</td>
<td>MWF</td>
<td>245 - Altgeld Hall</td>
<td>D'Angelo, J</td>
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<td>59650</td>
<td>Lecture-Discussion</td>
<td>C14</td>
<td>10:00 AM - 10:50 AM</td>
<td>MWF</td>
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<td>D'Angelo, J</td>
</tr>
</tbody>
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Credit Hours: 3 hours

Credit Hours: 4 hours
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.
Instructor approval forms available in 313 Altgeld Hall beginning on the first day of Fall semester.

48245  Online  EGR  ARRANGED -  -  Peressini, A

Restricted to MS: Civil Engr - Online - UIUC, MCS:Computer Sci Online -UIUC, MS:Mechanical Engineering -UIUC, MS: Aerospace Engr-Online/UIUC, NDEG:Grad Nondegree-CE/UIUC, MCS: Computer Sci Online/UIUC, or MENG:Mech Engineering Onl/UIUC. Restricted to online grad non-degree, online MSAE, online MCS, online MSME and online MSCEE students. Center for Innovation in Teaching & Learning (CITL) restrictions and assessments apply, see [https://online.illinois.edu](https://online.illinois.edu). For more details on this course section, please see [http://engineering.illinois.edu/online/courses/](http://engineering.illinois.edu/online/courses/).
OCE Tuition $1034.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.

30355  Lecture-Discussion | M13  | 09:30 AM - 10:50 AM | TR  | 445 - Altgeld Hall | Ahlgren, S   Haboush, W |

Credit Hours: 3 hours

39130  Lecture-Discussion | M14  | 09:30 AM - 10:50 AM | TR  | 445 - Altgeld Hall | Ahlgren, S   Haboush, W |

Credit Hours: 4 hours
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.
Instructor approval forms available in 313 Altgeld Hall beginning on the first day of Fall semester.