Mathematics

MATH 488  Math Methods In Engineering  credit: 3 OR 4 hours.
Matrices, determinants, bounds and approximations to eigenvalues, introduction to linear operator theory and inner product spaces,
orthogonal expansions, and Fourier transforms. 3 or 4 undergraduate hours. 3 or 4 graduate hours. 4 hours of credit requires approval
of the instructor and department with completion of additional work of substance. Prerequisite: MATH 241 or equivalent.

<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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<tr>
<td>45784</td>
<td>Online</td>
<td>EGR</td>
<td>ARRANGED-</td>
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<td>Peressini, A</td>
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Credit Hours: 4 hours

Online

OCE Tuition $1034.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.
Restricted to MS: Civil Engr - Online - UIUC, MCS:Computer Sci Online -UIUC, MS:Mechanical Engineerng -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. For more details on this course
section, please see http://engineering.illinois.edu/online/courses/.