Class Schedule - Spring 2014

Mathematics

MATH 545  Harmonic Analysis  credit: 4 hours.
Harmonic analysis on the circle, the line, and the integers, i.e., Fourier series and transforms; locally compact Abelian groups;
convergence and summability; conjugate functions; Hardy spaces; uniqueness; Tauberian theorems; almost-periodic functions;
commutative Banach algebras. Prerequisite: MATH 448 and MATH 541; knowledge of Banach spaces.

<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>40565</td>
<td>Lecture-Discussion</td>
<td>C1</td>
<td>10:00 AM - 10:50 AM</td>
<td>MWF</td>
<td>343 - Altgeld Hall</td>
<td>Erdogan, M</td>
</tr>
</tbody>
</table>

Not intended for Undergrad - Urbana-Champaign. Not intended for MS:Economics:Policy Econ -UIUC, MS:Statistics -UIUC,
Students from the following programs must contact the Director of Graduate Studies in Mathematics <Laugesen@illinois.edu> to