Mathematics

MATH 424  **Honors Real Analysis**  credit: 3 hours.
A rigorous treatment of basic real analysis via metric spaces. Metric space topics include
continuity, compactness, completeness, connectedness and uniform convergence. Analysis topics
include the theory of differentiation, Riemann-Darboux integration, sequences and series of functions,
and interchange of limiting operations. As part of the honors sequence, this course will be rigorous
and abstract. No graduate credit. Approved for honors grading. Prerequisite: An honors section of
MATH 347 or an honors section of MATH 416, and consent of the department.

<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>47761</td>
<td>Lecture-Discussion</td>
<td>X</td>
<td>02:00 PM - 02:50 PM</td>
<td>MWF</td>
<td>343 - Altgeld Hall</td>
<td>Reznick, B</td>
</tr>
</tbody>
</table>