Mathematics

MATH 432  Set Theory and Topology  credit: 3 OR 4 hours.
Informal set theory, cardinal and ordinal numbers, and the axiom of choice; topology of metric spaces and introduction to general
topological spaces. 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 347 or MATH 348 or consent of instructor.

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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>47169</td>
<td>Lecture-Discussion</td>
<td>R13</td>
<td>02:00 PM - 03:20 PM</td>
<td>TR</td>
<td>2 - Illini Hall</td>
<td>Tumanov, A</td>
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<tr>
<td>47170</td>
<td>Lecture-Discussion</td>
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<td>2 - Illini Hall</td>
<td>Tumanov, A</td>
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Credit Hours: 3 hours
Departmental Approval Required
Restricted to Graduate - Urbana-Champaign.
Graduate students requesting the 4 credit hour section must first register for the 3 hour section. If the instructor is willing to offer
extra work to graduate students for the 4-hour section, students can get an approval form from 313 Altgeld Hall between the first day
of the semester and the 8th week of the semester.