Mathematics

MATH 505  **Homological Algebra**  credit: 4 hours.

(MATH 406) Definition and properties of the functors Ext and Tor; projective, injective, and flat modules; group extensions; dimensions of rings, and Hilbert theorem on syzygies Prerequisite: MATH 501 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>
</tr>
</thead>
<tbody>
<tr>
<td>40559</td>
<td>Lecture-Discussion</td>
<td>M1</td>
<td>09:00 AM - 10:20 AM</td>
<td>TR</td>
<td>341 - Altgeld Hall</td>
<td>Yau, D</td>
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</tbody>
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Class Schedule - Spring 2005