# Mathematics

**MATH 595  Advanced Topics in Mathematics  credit: 1 TO 4 hours.**

See Class Schedule for current topics. 1 to 4 graduate hours. No professional credit. May be repeated in the same or separate semesters. Prerequisite: Consent of instructor.

<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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<tbody>
<tr>
<td>49975</td>
<td>Lecture-Discussion</td>
<td>CM</td>
<td>02:00 PM - 02:50 PM</td>
<td>MWF</td>
<td>445 - Altgeld Hall</td>
<td>Hirani, A</td>
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<tr>
<td>61536</td>
<td>Lecture-Discussion</td>
<td>CT</td>
<td>03:00 PM - 03:50 PM</td>
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<td>447 - Altgeld Hall</td>
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<tr>
<td>39568</td>
<td>Lecture-Discussion</td>
<td>HM1</td>
<td>12:00 PM - 12:50 PM</td>
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<td>46002</td>
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<td>ISG</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>445 - Altgeld Hall</td>
<td>Tolman, S</td>
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Credit Hours: 2 hours

Calculus on Meshes

Credit Hours: 2 hours

Coding Theory
Topic: Coding Theory. See http://www.math.uiuc.edu/timetable/ for the full course description.

Credit Hours: 2 hours

Homological Mirror Symmetry 1
Topic: Homological Mirror Symmetry 1 See http://www.math.uiuc.edu/timetable/ for the full course description.

Credit Hours: 2 hours

Homological Mirror Symmetry 2
See https://math.illinois.edu/timetable for the full course description.

Credit Hours: 4 hours

Intro to Symplectic Geometry
Topic:Introduction to Symplectic Geometry. Seehttps://math.illinois.edu/timetable for the full course description.
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<tr>
<th>Course Code</th>
<th>Type</th>
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<th>Time</th>
<th>Days</th>
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<tr>
<td>56590</td>
<td>Lecture-Discussion</td>
<td>LC1</td>
<td>11:00 AM - 12:20 PM</td>
<td>TR</td>
<td>143 - Altgeld Hall</td>
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<td></td>
<td>Local Cohomology 1</td>
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<td>Meets 16-Jan-18 - 09-Mar-18. Topic: Local Cohomology 1 See <a href="https://math.illinois.edu/timetable">https://math.illinois.edu/timetable</a> for the full course description.</td>
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<td>Risk Analytics Decision Making</td>
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<td>Departmental Approval Required</td>
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<td>Not intended for Undergrad - Urbana-Champaign. Restricted to MS:App Mth-Actuarial Sci -UIUC. Practicing actuaries present real-world actuarial projects. Advanced undergraduates and graduate students taking this case study course will combine mathematical knowledge with problem-solving skills to develop solutions and communicate results. This course is currently full. To be added to the waitlist, please fill out this survey <a href="https://surveys.illinois.edu/sec/6307724">https://surveys.illinois.edu/sec/6307724</a>.</td>
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<th>441 - Altgeld Hall</th>
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Credit Hours: 2 hours

Water Waves