## 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>
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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>66669</td>
<td>Lecture-Discussion</td>
<td>DIE</td>
<td>11:00 AM - 11:50 AM</td>
<td>MWF</td>
<td>145 - Altgeld Hall</td>
<td>Hieronymi, P</td>
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<td>51374</td>
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<td>FSF</td>
<td>11:00 AM - 11:50 AM</td>
<td>MWF</td>
<td>145 - Altgeld Hall</td>
<td>Cliff, E</td>
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<td>48013</td>
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<td>INQ</td>
<td>12:00 PM - 12:50 PM</td>
<td>MWF</td>
<td>243 - Altgeld Hall</td>
<td>Nevins, T</td>
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<td>57745</td>
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<td>NSP</td>
<td>09:30 AM - 10:50 AM</td>
<td>TR</td>
<td>331 - Gregory Hall</td>
<td>Stojanoska, V</td>
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<td>48012</td>
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<td>OPG</td>
<td>03:00 PM - 03:50 PM</td>
<td>MWF</td>
<td>445 - Altgeld Hall</td>
<td>Mineyev, I</td>
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Credit Hours: 2 hours  
Definability in expansions  
Restricted to Graduate - Urbana-Champaign.  


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Credit Hours: 2 hours  
Factorization space  
Restricted to Graduate - Urbana-Champaign.  
Factorization spaces, factorization algebras, and chital algebras

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Credit Hours: 2 hours  
Intro to quiver varieties  
Restricted to Graduate - Urbana-Champaign.  
Introduction to Nakajima quiver varieties

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Credit Hours: 2 hours  
Nilpotence and Periodicity  
Restricted to Graduate - Urbana-Champaign.  
Topic: Nilpotence and Periodicity in Stable Homotopy Theory See https://math.illinois.edu/academics/courses/timetable for the full course description.

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Credit Hours: 2 hours  
Open Problems in group theory  
Restricted to Graduate - Urbana-Champaign.  
Not intended for MS:Economics:Policy Econ -UIUC or MS:Economics:Policy Econ -UIUC.  
<table>
<thead>
<tr>
<th>64464</th>
<th>Lecture-Discussion</th>
<th>SPA</th>
<th>11:00 AM - 12:20 PM</th>
<th>TR</th>
<th>141 - Altgeld Hall</th>
<th>Di Francesco, P</th>
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Credit Hours: 4 hours
Symmetric polynomials
Restricted to Graduate - Urbana-Champaign.