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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</thead>
<tbody>
<tr>
<td>64464</td>
<td>Lecture-Discussion</td>
<td>AIR</td>
<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>347 - Altgeld Hall</td>
<td>Ford, K</td>
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Credit Hours: 4 hours
Anatomy of Integers

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<th>Time</th>
<th>Days</th>
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<td>42963</td>
<td>Lecture-Discussion</td>
<td>EC</td>
<td>02:00 PM - 02:50 PM</td>
<td>MWF</td>
<td>141 - Altgeld Hall</td>
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Credit Hours: 2 hours
Elliptic Curves
Restricted to Graduate - Urbana-Champaign. Not intended for MS:Economics:Policy Econ -UIUC or MS:Economics:Policy Econ -UIUC.
Meets 28-Aug-17 - 20-Oct-17.

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<th>Days</th>
<th>Location</th>
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<tr>
<td>58570</td>
<td>Lecture-Discussion</td>
<td>HAK</td>
<td>09:30 AM - 10:50 AM</td>
<td>R</td>
<td>347 - Altgeld Hall</td>
<td>Heller, J</td>
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Credit Hours: 2 hours
Higher Algebraic K-Theory

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<td>62754</td>
<td>Lecture-Discussion</td>
<td>QIT</td>
<td>12:30 PM - 01:50 PM</td>
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<td>7 - Illini Hall</td>
<td>Junge, M</td>
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Credit Hours: 2 hours
Quantum Information Theory
Meets 23-Oct-17 - 13-Dec-17.
Topic: Operator Algebra methods in Quantum Information Theory. See http://www.math.uiuc.edu/timetable/ for the full course description. Students from the following programs must contact the Director of Graduate Studies in Mathematics <rdeville@illinois.edu> to request permission to register for the course: MS:Economics:Policy Econ -UIUC or MS: Financial Engineering.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>48012</td>
<td>Lecture-Discussion</td>
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<td>09:30 AM - 10:50 AM</td>
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<td>445 - Altgeld Hall</td>
<td>Tyson, J</td>
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Credit Hours: 2 hours
Tube Formulas
Not intended for MS:Economics:Policy Econ -UIUC or MS:Economics:Policy Econ -UIUC.
Meets 23-Oct-17 - 13-Dec-17.