Class Schedule - Spring 2019

Mathematics

MATH 490  **Advanced Topics in Mathematics**  credit: 1 TO 4 hours.
Deals with selected topics and applications of mathematics; see Class Schedule or department office for current topics. 1 to 4 undergraduate hours. 1 to 4 graduate hours. May be repeated with approval. Prerequisite: Consent of instructor.

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<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
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<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>47123</td>
<td>Lecture-Discussion</td>
<td>AH</td>
<td>11:00 AM - 11:50 AM</td>
<td>MWF</td>
<td>239 - Altgeld Hall</td>
<td>Hirani, A Karve, V</td>
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Credit Hours: 3 hours
Computational Math
Restricted to Mathematics major(s).
Computational Math. Prerequisites: Successful completion of CS 101 or 125 or prior programming experience in Python, C, C++ or Java; as well as successful completion of Math 347 (or CS 173). This is a project-based course that will guide students through a computational way of approaching problems. Topics covered will include topological data analysis, cryptography algorithms and computation complexity, use of linear programming in game theory and other applications, networks and graph algorithms. Programming will be done in Python and SageMath. Short lectures and short programming exercises twice a week with longer project work once a week.