Mathematics

MATH 402  **Non Euclidean Geometry**  credit: 3 OR 4 hours.

Historical development of geometry; includes tacit assumptions made by Euclid; the discovery of non-Euclidean geometries; geometry as a mathematical structure; and an axiomatic development of plane geometry. 3 or 4 undergraduate hours. 3 or 4 graduate hours. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance. Prerequisite: MATH 241; MATH 347 or MATH 348, or equivalent; or consent of instructor.

This course satisfies the General Education Criteria for a:
Quantitative Reasoning II

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<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
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<th>Location</th>
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<tr>
<td>64346</td>
<td>Conference</td>
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<td>ARR - Danville IL</td>
<td>Athreya, J Elam, N</td>
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Credit Hours: 4 hours
Quant Reasoning II course.
Center for Innovation in Teaching & Learning (CITL) restrictions and assessments apply, see http://citl.illinois.edu. This course is for students at the Danville Corrections Center only.

| 32099  | Lecture-Discussion | D13    | 11:00 AM - 11:50 AM | MWF  | 241 - Altgeld Hall | Sapir, J       |

Credit Hours: 3 hours
Quant Reasoning II course.

| 39112  | Lecture-Discussion | D14    | 11:00 AM - 11:50 AM | MWF  | 241 - Altgeld Hall | Sapir, J       |

Credit Hours: 4 hours
Quant Reasoning II course.
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.
Instructor approval forms available in 313 Altgeld Hall beginning on the first day of Fall semester.

| 32102  | Lecture-Discussion | X13    | 12:00 PM - 12:50 PM | MWF  | 143 - Altgeld Hall | Sapir, J       |

Credit Hours: 3 hours
Quant Reasoning II course.

| 39113  | Lecture-Discussion | X14    | 12:00 PM - 12:50 PM | MWF  | 143 - Altgeld Hall | Sapir, J       |

Credit Hours: 4 hours
Quant Reasoning II course.
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.
Instructor approval forms available in 313 Altgeld Hall beginning on the first day of Fall semester.