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. 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>
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<td>36390</td>
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<td>Francis, G</td>
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Quant Reasoning II course.
Instructor Approval Required
Please e-mail Prof. George Francis at gfrancis@uiuc.edu to request approval. The prerequisites are Calculus III (vectors) and Math 347 or an equivalent course on mathematical discourse and proof.