Mathematics

MATH 415  **Linear Algebra**  credit: 3 OR 4 hours.
Introductory course emphasizing techniques of linear algebra; topics include matrix operations, determinants, linear equations, vector spaces, linear transformations, eigenvalues, and eigenvectors. 3 undergraduate hours. 3 or 4 graduate hours. 4 hours of credit requires approval of the instructor and completion of additional work of substance. Credit not given for both MATH 225 and either MATH 125 or MATH 415. Prerequisite: MATH 241(formerly MATH 243) or MATH 242.

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

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Credit Hours: 3 hours
Quant Reasoning II course.

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Credit Hours: 4 hours
Quant Reasoning II course.
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.

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Credit Hours: 3 hours
Quant Reasoning II course.
Departmental Approval Required

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Credit Hours: 4 hours
Quant Reasoning II course.
Departmental Approval Required

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Credit Hours: 3 hours
Quant Reasoning II course.

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Credit Hours: 4 hours
Quant Reasoning II course.
Instructor Approval Required
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**Credit Hours:** 3 hours

Quant Reasoning II course.

Section Z83 will be taught asynchronously. Uses Mathematica courseware. See http://www.math.uiuc.edu/timetable/ for further details.

**Credit Hours:** 4 hours

Quant Reasoning II course.

Section Z84 will be taught asynchronously. Uses Mathematica courseware. See http://www.math.uiuc.edu/timetable/ for further details.