# Mathematics

**MATH 417  Intro to Abstract Algebra  credit: 3 OR 4 hours.**

Fundamental theorem of arithmetic. Congruencies, groups and group actions, Polya counting, rings, fields, and roots of polynomials. Emphasizes proofs. 3 undergraduate hours. 3 or 4 graduate hours. 4 hours of credit requires approval of the instructor and completion of additional work of substance. Prerequisite: MATH 415 and either MATH 347 or MATH 348; or consent of instructor.

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

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<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>C13</td>
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<td>Ullom, S</td>
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Credit Hours: 3 hours
Quant Reasoning II course.
Instructor Approval Required

Credit Hours: 4 hours
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Instructor Approval Required

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Quant Reasoning II course.

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