

Course Schedule - Fall 2008

Mathematics

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

Fundamental theorem of arithmetic, congruences. Permutations. Groups and subgroups, homomorphisms. Group actions with applications. Polynomials. Rings, subrings, and ideals. Integral domains and fields. Roots of polynomials. Maximal ideals, construction of fields. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance. Prerequisite: Either MATH 416 or one of MATH 410, MATH 415 together with one of MATH 347, MATH 348, CS 373; or consent of instructor.

This course satisfies the General Education Criteria for a Quant Reasoning II course.

CRN	Type	Section	Time	Days	Location	Instructor
32108	lecture-discussion	C13	10:00 AM - 10:50 AM	MWF	room 149 Henry Administration Bldg	Griffith, P
32108: Quant Reasoning II course.						
32108: 3 hours						
32110	lecture-discussion	C14	10:00 AM - 10:50 AM	MWF	room 149 Henry Administration Bldg	Griffith, P
32110: Quant Reasoning II course.						
32110: 4 hours Instructor Approval Required						
32112	lecture-discussion	F13	02:00 PM - 02:50 PM	MWF	room 345 Altgeld Hall	Csima, N
32112: Quant Reasoning II course.						
32112: 3 hours						
32114	lecture-discussion	F14	02:00 PM - 02:50 PM	MWF	room 345 Altgeld Hall	Csima, N
32114: Quant Reasoning II course.						
32114: 4 hours Instructor Approval Required						