Course Syllabus for MATH 417 (Introduction to Abstract Algebra)

**Course description:** Math 417 is an introduction to abstract algebra. The main objects of study are groups, which are abstract mathematical objects that reflect the most basic features of many other mathematical constructions. We will also study rings and fields and other abstract mathematical objects, which can be thought of as groups with additional structure.

This course features video lectures from the UIUC Spring 2016 course taught by Professor Chris Leininger and includes online lecture notes via Moodle. No additional textbook has to be purchased.

**Credit:** 3 hours. (Note: 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 374; or consent of instructor.

**Requirements:** Students must be able to print out assignments, write out solutions, then scan their written work and upload it to Moodle. Some elements of this course may require Flash Player. Please visit [this link](#) to ensure you have the latest version installed.

**Course Content**


