

(3-0-1; —)

Groups, Rings, and Fields

MATH-313*

The course builds on Math-212*, although dealt with at a more abstract level. Topics include: structure of abelian groups, group actions on sets, the Sylow theorems and simple groups. This course builds towards Galois theory and is a prerequisite for Math-314*.

Textbook: *Contemporary Abstract Algebra*, 5th Edition
by J. Gallian (Houghton & Mifflin)

Prerequisite: MATH-212*.

Exclusion: MATH-391*.

Instructor: A. Geramita

Evaluation:	Final examination	40%
	Midterm	20%
	Homework	30%
	Participation in Tutorial	10%