

MATH 398: ABSTRACT ALGEBRA I (Q)

This introductory abstract algebra course is divided into four main areas: Groups, Rings, Integral Domain and Fields, although we will concentrate fundamentally on Groups and Rings. This class will help increase students understanding and appreciation of mathematical structures, as well as the use of conjecture and deductive logic in the axiomatic development of mathematical theory. The primary objective here is the development of mathematical maturity. We will also explore applications of the theory via presentations by students in their area of interest. Students intending to go to graduate school in mathematics must take both Math 396 and 398.

Credits: 3

Prerequisites:

[MATH 322](#) or permission of instructor. Fall semester. Alternate Years.

Department: [Mathematics & Applied Mathematics](#)