

COURSE ANNOUNCEMENT

SPRING 2006

MAT 444

***Intermediate
Abstract Algebra***

Instructor: John Jones

Time: 11:40 - 12:30 Mondays, Wednesdays & Fridays

Location: PSA 307

Schedule

Line Number: 83843

Credit Hours: 3

Course Description: This course covers basic group theory (Lagrange's theorem, isomorphism theorems, the Sylow theorems) and ring theory (ideals and homomorphisms, unique factorization theorems).

It serves as preparation for the graduate courses in abstract algebra, and is part of the department's graduate qualifier exam in algebra. As a result, it has a fixed syllabus of topics and moves at a very fast pace. Students will need to be well-versed in reading and writing proofs, and undergraduate students taking the class should have taken MAT 443 so that they are familiar with some of the ideas of the subject.

Prerequisites: MAT 443 or graduate standing or instructor approval.

Textbook: *A First Course in Abstract Algebra* by Fraleigh.