

**MATH 4500/5500 MODERN ALGEBRA**

**SEMESTER:** FALL 2011

**INSTRUCTOR:** DR. DAVID COCHENER **E-MAIL:** cochenerdj@apsu.edu

**OFFICE:** CX-327 **PHONE:** 221-7804 (Office) 645-6957 (Home)

**OFFICE HOURS:** 8-9, 2-3 MWF 8-9, 2:30 - 3:30 TT  
Other times may be scheduled by appointment.

**TEXT:** **Abstract Algebra: A First Course 2<sup>nd</sup> edition**, Saracino

**OBJECTIVES:** The purpose of this course is to introduce the student to some of the fundamental concepts in modern algebra and to help the student learn to read and construct proofs using these concepts.

**CLASS ATTENDANCE:** Students are expected to be present for all classes. As an incentive for you to do this, there will be a bonus of 3 points added to your final average for perfect attendance and a 2 point bonus for only 1 absence.

**HOMEWORK:** Regular assignments will be given. Math 4500 students will be required to turn in homework problems on a regular basis for grading. These problems will count as 20% of your grade. Math 5500 students will also be expected to turn in homework problems for 10% of their grade and a problem notebook of additional problems which will be handed in and graded and will count as the 10% of their grade.

**TESTS:** There will be three 100-point exams, the average of which will count as 60% of your grade. A makeup exam will be given in the event of illness, family emergency, or an authorized university activity and upon presentation of a valid written excuse.

There will be a 100-point final exam. Your final exam will count as 20% of your grade.