

MATH 334 Section 001 9:30– 10:45 TR Bin 330

Instructor: Dr. Charles Dorsett

Office: Bin-318

Office telephone: 886-5955

Office hours: 9 – 11 MW, 9 -10 F, 11 – 12 TR, and others by appointment. If you need help during the semester, please ask for help.

Textbook: Elements of Modern Algebra by Gilbert and Gilbert 7<sup>th</sup> edition

Topics to be covered: Within the class, maps, properties of the integers and natural numbers, complex numbers, matrices, congruencies will be covered building a foundation for the following work in abstract algebra, which will include the study of groups, subgroups, homomorphism and isomorphisms, quotient groups, direct products, and introductory ring theory.

Class Objectives: At the end of the class, the successful student will be able to apply the abstract algebra theory presented in the class to solve problems and to prove theorems using the foundation, techniques, and practices utilized in the class.

Grading policy: During the semester there will be five tests each worth 100 points toward your final grade. As in all mathematics classes, a major key to success is a timely, dedicated, determined, productive effort on homework assignments. For many of you in this class, the study of abstract algebra is a journey down an unfamiliar path making a continual effort doing and understanding homework assignments in a timely manner even more important and essential.

In case a test is missed, documented proof of an excusable absence is required, in which case the final test score will be used twice; as the final exam score and as a replacement score for the missed test. At the end of the course, the five test scores will be averaged and the ten point grading scale will be used to determine your final grade. The test schedule is as follows:

Test 1 Thurs., Sept. 19    Test 2 Thurs., Oct. 10    Test 3 Thurs., Oct., 31  
Test 4 Tues., Nov. 26    Test 5 (Comprehensive final exam) Thurs., Dec., 12 ( 8-10 ).

Getting Needed Help: Requests from students with disabilities for reasonable accommodations must go through the Office of Student Disability Resources and Services, Gee Library, Room 132, telephone (903) 886-886-5150.

Attendance and participation in classroom activities are expected. According to the Student's Guide Handbook, Policies and Procedures, Conduct, all students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. Each student is expected to be in class on time and for the entire period prepared to be an active, informed participant in the classroom discussions.

The Dept. has a calculator loan program.

Let's work hard and have a happy, productive semester.