Math 550.01S, 41R, 71R 4:30 – 5:15 MW

Instructor: Dr. Charles Dorsett

Office: Bin 318

Office Phone: (903) 886-5955

Office Hours: 10:50- 11:50 MTR, 9 – 11:50 W, and others by appointment

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Textbook: Introduction to Abstract Algebra by Fine, Gaglione, and Rosenberger

Topics To Be Covered: algebraic reasoning, algebraic preliminaries, group theory, finite groups, group isomorphisms, direct products, abelian groups, and rings.

Student Learning Outcomes:

1. The student will exhibit knowledge basic definitions and fundamental properties of abstract algebra and ring theory.
2. The student will successfully apply the concepts and procedures taught in the class to solve related problems.
3. The student will successfully apply the concepts and procedures taught in the class to prove related theorems.

Instructional Method and Procedure: The class will be taught using a combination of lecture a version of the Texas Method in which the students present solutions to assigned problems and proofs for assigned theorems. Students are required to participate.

Grading Policy: As indicated above, the students are required to actively participate by sharing their solutions of assigned problems and proofs of assigned theorems with classmates within the classes. The classroom participation will constitute 50% of the grade in the class. In addition, two tests will be given, each worth 25% of the final grade. Test 1 will be during class time on Monday, Oct. 6 and test 2 will be during class time on Wednesday, Dec. 3.

ADA Statement: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statue that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodations of their disabilities. If you have a disability requiring accommodation, please contact:

Office of Student Disability Resources and Services

Texas A&M University-Commerce

Gee Library – Room 132

Phone: (903) 886-5150 or (903) 886-5835

Fax: (903) 468-8148

StudentDisabilityServices@tamuc.edeu

Student Conduct:

Attendance and participation are required. By University Policies and Procedure given in the Handbook, all students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.

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