

Syllabus, Math 5325

THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF MATHEMATICAL SCIENCES

CRN 29058 - MATH 5325 – Principles of Algebra

4:00 - 5:20 pm	TR	LART 202	Spring 2018
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Instructor: Dr. Emil Schwab
Office Location: BH 201
Contact Info: Phone # 747-6758
E-mail address: eschwab@utep.edu

Office Hrs: TR 3 – 3:50 p.m.

Course Objectives: Students are expected to build a solid understanding of some basic concepts, principles, theorems in Algebraic Structures (groups, rings, integral domains, and fields) and to be able to elaborate rigorous proofs

Course Contents: Groups, including subgroups, quotient spaces, and homomorphisms. Ring theory, including ideals and quotients, homomorphisms, and polynomial rings. An introduction to modules and fields, including field extensions.

Assignments/Grading Policy: There will be one exam (100 points representing 50% of the final grade) and projects (all 100 points representing 50% of the final grade) The final grade will be determined by the following grading scale: A 85-100; B 70-84; C 55-69; D 40-54; F below 40.

Attendance & Withdrawal: It is the student's responsibility to drop the class. Any student with 4 or more absences from lecture might be automatically dropped from the class by instructor. The deadline to drop or to be dropped with an automatic W is **March 29, 2018.**

Disability Statement: If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass. The student is responsible for presenting to the instructor any CASS accommodation letters and instructions.

Military Statement: If you are a military student with the potential of being called to military service and/or training during the course of the semester, you are encouraged to contact the instructor as soon as possible.