Abstract Algebra (Math 320), Spring 2020,
San Diego State University
TTH 9:30-10:45 am, GMCS-328

Instructor: Anthony (Tony) Armas
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Office Hours: TTh 10:50-11:50

Course Description: Elementary number theory and rings to include ideals, polynomial rings, quotient rings, ring homomorphisms and isomorphisms. If there is time at the end of the course, we will introduce the basic aspects of group theory.

Prerequisites: Mathematics 245 and 254 with a grade of C (2.0) or better in each course.

Textbook: *Abstract Algebra, an Introduction,* 3rd Edition, by Thomas W. Hungerford.

The text is required. The lectures will be based heavily on the book material, and the assigned homework problems will come from the book.

In-class Assignments: In the second half of class on Thursdays, we will split up into small groups and solve problems related to the course material. These problems **will be turned in and graded.** Your lowest score from these assignments will be dropped.

Homework: Homework will be assigned after most classes, and will be due at the end of office hours a week after being assigned. No late homework will be accepted.

Midterm/Project: There will be a **collaborative, take-home** midterm. You will be split into small groups and complete a set of difficult problems together. You will be given several days to complete this assignment. More details will come later, but this assignment will be due on **Thursday, March 19th.**

Final: There will be a **take-home** final, due at **10:00 am on Tuesday, May 14th.** This assignment is **not** collaborative.

There will be no make-up assignments in this class. If you have a medical reason for missing an assignment, let me know.

Grade Breakdown:

Grading Categories	Weight
Homework	30%
In-class Assignments	25%
Midterm/Project	20%
Final	25 %

Overall Percentage	**Minimum Course Grade**
93%-100%	A
90%-92%	A-
87%-89%	B+
83%-86%	B
80%-82%	B-
77%-79%	C+
73%-76%	C
70%-72%	C-
67%-69%	D+
63%-66%	D
60%-62%	D-
0-59.4%	F

The course may be curved if necessary, but a curve will not lower your grade.

Collaboration: Note that most of the assignments in this course are collaborative. I encourage you to work and study together with you classmates. However, the final must be your own work, and no collaboration of any kind is allowed. All violations will be reported to the Center for Student Rights and Responsibilities.

SASC: If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact SASC – Student Ability Success Center at (619) 594-6473. To avoid any delay in the receipt of your accommodations, you should contact SASC as soon as possible. Please note that accommodations are not retroactive, and that I cannot provide accommodations based upon disability until I have received an accommodation letter from SASC. Your cooperation is appreciated. Finally, please notify me as well as soon as possible.