

Math 465 - EW
Modern Algebra I
Spring 2003

Instructor: Dr. Brian Heck
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Office Hours
M, F 8:30-3:00

Prerequisite: Math 360

Text: None. If you would like a reference text, any one with a title resembling “Modern Algebra” or “Abstract Algebra” would be fine.

Course Description (catalog): Introductory concepts, axiomatic approach to the number system, general algebraic systems, groups.

Course Description (instructor): Group theory. We will begin with the definition of a group, and expand to consider subgroups, finite groups, cyclic groups, permutation groups and more. We will also study group homomorphisms, and our main semester goal is Sylow’s Theorems.

Grading Policy: Boardwork/Problem Sets: 60% Mid-Term/Final Exams: 40%

We will use the standard 10-point scale. A=90-100%, B=80-89%, etc... The majority of class time will be spent with the students at the board. You be graded in two ways: participation (how many problems you attempt to solve at the board) and proficiency (how successful you are). I will also pass out problem sets periodically to be turned in the following week (probably 5-8 times throughout the semester). These will usually consist of similar problems to the ones worked out in class, with occasional challenge problems thrown in. These will be graded in the typical fashion. ***This will account for 60% of your course grade.***

We will have two exams: a mid-term, and a final. The purpose of both exams will be for you to take the knowledge that you acquired during the semester and apply it. ***This will account for 40% of your course grade***

Attendance: I will not include attendance as part of your course grade. I am not your mother or your parole officer, and this is not high school. I do, however, expect you to attend class everyday. You are responsible for all material covered in class.

Closing Remarks: It is assumed that you are attending this university because you have a desire for higher learning. It is therefore expected that you will pay attention, be respectful of your instructor and fellow students, and follow the Code of Student Conduct. Instances of academic dishonesty will be dealt with severely. If you are caught cheating, you will fail this course. Similarly, if you are a disruptive presence in the classroom, you will be dropped from the class.

Important Date: Final Date To Drop Courses With a *W* – **Friday, April 4, 2003**