

Math 6300 Abstract Algebra I

Spring 2012 Course Outline

Time and place: MWF 1:00-1:50, 6620 Everett Tower

Instructor: Dr. Annegret Paul. Office: 6619 Everett Tower. Phone: (269) 387-3614

Office hours: TBA. I am also happy to answer questions by email: annegret.paul@wmich.edu.

Text: Dummit & Foote, *Abstract Algebra* (Third Edition).

Prerequisite/Corequisite: Math 5300 or equivalent.

Course Description: This course is the first part of a two semester sequence in graduate algebra. We shall cover groups and rings (Chapters 1 through 9 of the text). You should be familiar with the material in the Preliminaries chapter of the book; be sure to read it in order to familiarize yourself with the notation used, and to fill in any gaps.

Exercises, exams, and grading: There will be weekly homework sets (posted on e-learning, to be written up individually and handed in Wednesdays at the beginning of class. There will be two 50 minute midterm exams, and an in-class final exam during exam week. The homework will count for 30%, the midterms 17.5% each, and the final exam for 35% of the final grade. The approximate grading scale is given below, the numbers indicating the percentage of total points obtained.

A: 80-100; BA: 75-79; B: 60-74; CB: 55-59; C: 40-54; D: 20-39; E: 0-19.

Academic Integrity: You are responsible for making yourself aware of and understanding the policies and procedures in the Graduate Catalog that pertain to Academic Honesty. These policies include cheating, fabrication, falsification and forgery, multiple submission, plagiarism, complicity and computer misuse. [The policies can be found at <http://catalog.wmich.edu> under Academic Policies, Student Rights and Responsibilities.] If there is reason to believe you have been involved in academic dishonesty, you will be referred to the Office of Student Conduct. You will be given the opportunity to review the charge(s). If you believe you are not responsible, you will have the opportunity for a hearing. You should consult with your instructor if you are uncertain about an issue of academic honesty prior to the submission of an assignment or test.