Math 100a, Introduction to Algebra, Part I, Fall 2018

Time: MW 2-3:20pm
Instructor: An Huang
Office: Goldsmith 315
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Office Hours: MW 1-2 or by appointment

Prerequisites
MATH 23b and MATH 15a or 22a, or permission of the instructor.

Textbook
Undergraduate Algebra, 3rd Ed. by Serge Lang.

Course Description
We shall cover portions of chapter II through chapter VII.

Grading
Homework 30%, will be posted regularly on Latte with due dates,

Midterm 30%, in class, Monday 10/15/2017, 2:00pm-3:20pm,

Final 40%, as scheduled by registrar.

Note: There will be no makeup midterm. In case of a documentable reason for missing the midterm, the weight of the mark will be shifted to the final.

Learning Goals
Students in Math 100a will learn to work with groups, rings, and fields, and the interconnections between these three types of algebraic structures; they will study and analyze these structures, both by way of examples and in the abstract setting; they will also apply these structures to solve problems in linear algebra and group theory.

4-Credit Course
Success in this 4-credit hour course is based on the expectation that students will spend a minimum of 10 hours of study time per week in preparation for class (pre-lecture study, post-lecture reviews, homework, in-class discussions, preparation for tests and exams).
Policies

You may discuss the homework problems with your classmates; however, if you do, you should write on your homework submission the names of the classmates with whom you have discussed the assignment. You do not need to mention any help you have received from the instructor or the TA. **You may not copy the written work of another student or from any other sources, or allow another student to copy your written work. What you submit should be your own work.**

You should state the source of a mathematical fact you use when writing up your work, unless the fact you use is something you had learned earlier as part of your prerequisite for 22a. You can state the source by citing a theorem in the textbook, the page number of an exercise we have gone over in class or in a prior homework, or a fact we have proved in class.

Both the instructor and the TA are available during their weekly office hours or by appointments. Students are encouraged to seek help from them on any course related matter.

If you are a student with a documented disability on record at Brandeis University and wish to have a reasonable accommodation made for you in this class, please inform me immediately.