

Modern Algebra I, MATH 4613 and 5003, Section 1, Fall 2007,  
MWF 9:30 AM, EN107.

**Instructor:** Dr. A. Mavlyutov, office: Math Sciences 502C, phone: 744-6540,  
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Course webpage: <http://www.math.okstate.edu/~mavlyutov/math4613.html>

**Office hours:** MW: 10:30 am – 12 pm, Th: 9:30 am – 11 am and by appointment (please, email or phone). Please, feel free to drop by and see if I am available at any time.

**Prerequisites:** Math 3613: Intro. to Modern Algebra, Math 3013: Linear Algebra. You should also be familiar with the proof and particularly with the proof by induction. This course will require detailed and complete written proofs.

**Text:** Abstract Algebra, 3rd ed., by Dummit and Foote. Sections 1.1-1.7, 2.1-2.5, 3.1-3.5, 4.1-6, 5.1-5, 6.1, 7.1-7.6, 8.1-8.3, 9.1-9.5. (Groups and Rings).

**EXAMINATIONS:** There will be two one-hour exams, tentatively scheduled for September 24, November 5. THERE WILL BE NO MAKEUP EXAMS; students with very serious conflicts must warn me well in advance (more than one week) of the exams, and we will work out some alternative arrangement. The final exam is also scheduled on December 12, 8 - 9:50 AM.

**Homework:** All students will be expected to complete and turn in written solutions to all the regularly assigned homework. Assignments and due dates will be announced in class and on the course webpage. Taking the lecture notes may help to do the homework problems.

**Grades:** The two one-hour exams will be worth 100 points each. The final exam and the homework will be worth another 200 points each. The total score in this course will be 600 points. Here are the guaranteed grades. Students who achieve at least 90% of the total score will receive an A. A score between 80% and 90% will merit at least a grade of B. Scores between 70% and 80% will correspond to at least a C, and students with scores above 60% will be assured of passing. Curving on the exam scores may be made depending on the median score.

**Attendance Policy:** Attendance of lectures is mandatory, but roll will not be taken every class.