

MATH 4613/5003 - MODERN ALGEBRA I - FALL 2015

Professor: Leticia Barchini

E-mail: leticia@math.okstate.edu

Office hours: Wednesday 12:30- 2:30 pm; and by appointment.

Office: 502 C Mathematical Sciences Building

Textbook: Abstract Algebra by David S. Dummit and Richard M. Foote.

Course content: This course is the first of a two course sequence. Our goals this semester is to understand the basics of group theory and some ring theory. We will cover chapters 1-5 and chapter 7.

Syllabus Attachment: Please read the OSU syllabus attachment on the web, linked at <http://academicaffairs.okstate.edu/current-students>. This has a lot of important information, including instructions about disability accommodations. Please contact me privately during the first week of the course if you need accommodations as a result of a disability.

Grading: There will be

- two in-class exams worth 100 points each;
- a comprehensive final exam worth 150 points;
- homework and written assignments worth 150 points.

There is a total of 500 available points. An overall score of 90% or more will ensure an A, a score between 80% and 89% will ensure a B, a score between 70% and 79% will ensure a C, a score between 60% to 69% will ensure a D.

Attendance: Attendance is required. It is rare for a student to do well if he or she misses many classes. You are also expected to be punctual.

Exams: All exams will be in class. The dates of the exams are Wednesday, September 30; Friday, November 20. The final exam is on Wednesday, December 9 from 8:00- 9:50 am.

Homework: You will be graded not just on your final answer but mainly on the details of how you obtain the answer. This is a proof based course. Your solutions must be written in complete, grammatically correct sentences with the technical terms correctly spelled. These sentences should be precise statements which make logical sense. Proofs should be arranged in a logical order which completely and unambiguously establishes the truth of the assertion to be proven.

Regular homework will be assigned. It is expected that the work you turn in is your own work and reference to consulted material should be included. You should write homework on 8-1/2 by 11 inch paper with no ragged edges. You should write only the front side of the paper. Each assignment should be stapled. Late homework will be accepted if documented reasons are provided.

Academic Honesty: *Don't copy from other students, or present work you find in printed or electronic sources as your own.* For questions, contact Office of Academic Affairs, 101 Whitehurst, (405) 744-5627.

Makeup Exams: Makeups for exams will be given only for serious, unavoidable and documented reasons. You should contact me prior to the scheduled exam.