

Syllabus for Math 500 Graduate Algebra, Fall 2019
MWF 10:00-10:50am (31 Psychology)

Instructor: Dr. Chelsea Walton

Email and Office Location: notlaw@illinois.edu, 374 Altgeld.

Office Hours: MWF after class, and by appointment.

Course website: <https://faculty.math.illinois.edu/~notlaw/teaching.html#current>

Textbook: Abstract Algebra, Third Edition, by D. Dummit and R. Foote.

Course Objectives: Successful students will gain experience with concepts and methods of abstract algebra at the graduate level, and will develop their skills in the written communication of mathematical ideas. See the Teaching Schedule on the course website for more details.

Grading: Homework, 40%; Midterm, 25%; Final, 35%.

See the Teaching Schedule on the course website for assignments and due dates.

Homework: Homework sets will consist of 7-10 problems per assignment, and are due at start of class on the due date. The lowest two homework scores will be dropped.

No late submissions are allowed without an *official* excuse.

I will grade one problem (out of 3 points) and the grader provide feedback for two problems (for 3 points each) per set. The homework score will be out of 10 points, with the remaining point designated for composition. The use of full sentences, proper grammar, and overall neatness counts towards 'good composition'. See <https://faculty.math.illinois.edu/~notlaw/teaching.html> for proof writing tips if needed.

Handwritten and Latex-ed solution sets are both acceptable. You are expected to write up your own solutions. Acknowledge any references (to theorems, exercises, etc.) and collaborations with peers when pertinent. Emailed submissions are accepted if you are unable to submit them in class as long as they arrive before the deadline– this should be done sparingly and emailed solutions should be submitted via one scanned pdf.

Exams: The 50 minute midterm exam will be held in class on Wednesday, October 16th. The 3 hour final exam will be held on Friday, December 13th at 7pm– location to be announced.

Disability Accommodation: Any student who has a need for accommodation based on the impact of a disability should contact me privately to discuss the specific situation as soon as possible. Students should also contact Disability Resources & Education Services (DRES) at disability@illinois.edu or (217) 333-4603 to obtain a Letter of Accommodation to present to me and to learn about further resources.

<https://www.disability.illinois.edu/academic-support>

Academic calendar and drop dates: For further information, see:

<https://registrar.illinois.edu/academic-calendars/spring-academic-calendar-19/>