

Syllabus for Math 417 Undergraduate Abstract Algebra, Spring 2019
MWF 11:00-11:50am (343 Altgeld) and MWF 1:00-1:50pm (447 Altgeld)

Instructor: Dr. Chelsea Walton

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

Phone: I do not use an office phone. Please email instead.

Office Hours: MWF noon - 1:00pm, and by appointment.

Please do not hesitate to visit to my office, during office hours or by appointment, to discuss homework problems or any aspect of the course.

Prerequisite courses: Either Math 416 or one of Math 410, Math 415 together with one of Math 347, Math 348, CS 374; or consent of instructor.

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

Textbook: Algebra: Abstract and Concrete, Edition 2.6 by Frederick M. Goodman. It is available at no cost here (with an optional charity donation):

<http://homepage.math.uiowa.edu/~goodman/algebrabook.dir/download.htm>

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

Grading: Homework, 35%; Quizzes, 15%; Midterm 1, 15%; Midterm 2, 15%; Final, 20%. See the Teaching Schedule on the course website for assignments and due dates.

The lowest quiz score will be dropped.

Homework sets will consist of 5-7 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 1 problem and the grader provide feedback for 2 problems per set.

More on Homework: Math 417 is a writing intensive course. The goal of the written homework assignments is to help enable you both to understand the material of the course and to develop your ability to express mathematical ideas in writing. Your progress in written mathematical communication will be evaluated and will contribute to your homework grade.

Handwritten and Latex-ed solution sets are both acceptable. You are expected to write up your own solutions. Please 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.

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/>