Math 100C: Abstract Algebra III
Spring 2017
Syllabus

Instructor: Brendon Rhoades
Instructor’s Email: bprhoades@math.ucsd.edu
Instructor’s Office: 7250 APM
Instructor’s Office Hours: MWF 10:00-11:00 am, or by appointment
Lecture Time: MWF 1:00-1:50 pm
Lecture Room: B412 APM
Textbook: Algebra by M. Artin
TAs: Daniel Copeland
TAs’ Email: drcopela@ucsd.edu
TAs Offices: 5801 APM
TAs’ Office Hours: TBA
Discussion Times: Tu 6:00-6:50 pm
Discussion Room: 7421 APM
Final Exam Time: 11:30 am - 2:29 pm, 6/15/2017
Final Exam Room: B412 APM

Course Description: Third course in a rigorous three-quarter introduction to the methods and basic structures of higher algebra. Linear transformations, Jordan canonical form, representations of finite groups, Galois theory.

Prerequisites: Math 100B or consent of instructor.

Grading: Grades will be calculated based on homework assignments given roughly once per week, two midterm exams held in class, and a final exam. The weighting scheme is as follows.

- Homework: 25%
- Midterm 1: 20% (in lecture, 4/28/2017)
- Midterm 2: 20% (in lecture, 5/26/2017)
- Final Exam: 35%

Homework Policies: Homework must be submitted to the basement of the APM building. Homework turned in after 5:00 pm on the day that it is due will not be accepted for any reason. Your lowest homework score will be dropped when calculating your final grade. Collaboration on homework assignments is both permitted and encouraged, but your submitted assignments must be written in your own words.

Your solutions must be written in English sentences (with subjects, verbs, punctuation, etc.) and your assignments must be clearly legible. If you are concerned about your handwriting, it may be in your best interest to type up your assignments (it’s never too early in your mathematical career to learn \textsc{LaTeX}!).
Midterm Policies: Electronic devices and collaboration are both strictly prohibited on midterm exams. The midterms are closed book and closed notes. Each midterm will contain an example from class and a problem from the homework. If your performance on the final exam is better than your performance on one of the midterms (including the case where a midterm is not taken), the percentage score on the final will replace the percentage score for that midterm. No make-up midterms will be given. If you want to request a regrade for a midterm (or any portion thereof), you must make this request by the end of the class period in which that midterm was handed back.

Final Exam Policies: Electronic devices and collaboration are both strictly prohibited on the final exam. The final is closed book and closed notes. The final will contain an example from class and a problem from the homework. If you need to miss the final exam because of an emergency of the direst sort (death in the family, severe illness, etc.), inform the instructor before the final. If your reason is deemed sufficiently dire, you will get an incomplete in the course and will have to take the final exam the following quarter (Fall 2017). If you do not take the final exam on 6/15/2017 at 11:30 am - 2:29 pm for any other reason, you will get an F in the course.