

COURSE SYLLABUS
MATH 113: INTRODUCTION TO ABSTRACT ALGEBRA
SECTIONS 4 AND 8
FALL 2019

CLASS INFORMATION

Instructor: Jamie Conway

Office: 813 Evans

E-Mail: conway@berkeley.edu

Office Hours: Wednesday 12:30pm–1:45pm, Thursday 10am–12:30pm

GSI: Kentarô Yamamoto (details at: <https://www.ocf.berkeley.edu/~ykentaro/>)

Course Website: <https://math.berkeley.edu/~conway/Teaching/fall2019-113/fall2019-113.html>

bCourses Website: <https://bcourses.berkeley.edu/courses/1484415>

Piazza Website: <https://piazza.com/class/jzu5k80yt9p1y2>

The required text for this course is *Algebra (2nd edition)* by Michael Artin. Other helpful texts are *A first course in abstract algebra* by Fraleigh, *Abstract Algebra* by Dummit and Foote, and *Abstract Algebra* by Thomas Judson (the latter free online). From Artin, we plan to cover material in chapters 2, 6, 7, 11–15.

COURSE REQUIREMENTS AND GRADING

Homework, Assignments, Exams: We will have two in-class midterms and a final exam. Homework is assigned weekly (when there is no midterm). These will be posted on the course webpage (and bCourses) by midnight on Wednesday and due by the end of the day on Wednesday.

Late homework will *not be accepted under any circumstances*. If your homework is late, it will not be graded. In case of illness, you must contact me as soon as possible.

Please work together, including discussing homework together; however, you *must* write up your own solutions. Indicate on your homework with whom you worked, if anyone. Plagiarism, copying (from classmates, notes, the internet etc.) are not tolerated. No books, notes, or any electronic devices (including but not limited to calculators and phones) are allowed during the examinations.

Final Exam: The final will cover all course material and is scheduled for Monday, December 16.

Important Dates: The midterm dates are tentative and are subject to change.

- *Midterm 1:* Monday, September 30 (in class)
- *Midterm 2:* Friday, November 8 (in class)
- *Final Exam:* Monday, December 16
(8am–11am for Section 4, 11:30am–2:30pm for Section 8)

Grading Scheme: Your final grade will be computed as follows.

- Homework (drop lowest): 10%
- Midterms: 25% each
- Final Exam: 40%

Other grading options may be introduced at my discretion.

CLASS POLICIES

Honour Code: All students are expected to act honourably and not cheat. Any evidence of cheating or other violations will be submitted directly to the appropriate authority. Cheating includes, but is not limited to: using an unapproved calculator, books, or any form of notes on tests or quizzes; copying directly from any source, including friends, classmates, tutors, or a solutions manual; allowing another person to copy your work; taking a test or quiz in someone else's name, or having someone else take a test or quiz in your name; or asking for a regrade of a paper that has been altered from its original form.

Attendance: You are expected to come prepared and actively participate in every lecture and recitation. In the event of an absence, you are responsible for all missed material, assignments, and any announcements made in class. Class disruptions of any kind will not be tolerated and may result in your removal from the classroom. Please respect all your classmates and instructor by coming to class on time, staying for the entire class period, refrain from talking with classmates, and turning off all laptops, phones, music devices, and all other electronic devices (unless I have given you permission to use a device for note-taking).

Regrading: If an error in grading has been made, you must submit a regrade request to me, along with the item in question, within one week of the date it was returned in class. You may not change or add to your work. Check your answers with the posted solutions before submitting a regrade request.

Students with Disabilities and/or in need of Special Accommodations: UC Berkeley complies with the regulations of the Americans with Disabilities Act of 1990 and offers accommodations to students with disabilities. If you are in need of classroom or testing accommodations, please make an appointment with the DSP office to discuss the appropriate procedures. More information is available on their website: <http://dsp.berkeley.edu>. Please also make an appointment with me to discuss your accommodation, if necessary, no later than one week into the semester.

Announcements: I will frequently update the class pages on my website with class information and new materials. You are responsible for making sure you are up to date with all this. I will also send out announcements to the class via bCourses, so please make sure you receive these announcements in your e-mail.

Additional Help: You are encouraged to work together with other students in the class, and make use of my office hours.

FINAL CAVEAT

Note that items on the syllabus are subject to change. Any changes will be relayed to the students in class and through bCourses announcements.