

Course Syllabus

Math 104: Introduction to Analysis

Section 1, Fall 2015

Basic Information

Instructor: Kenji Kozai

E-mail: (lastname) at math.berkeley.edu

Office: Evans 749

Office Hours: Mondays 10-11, 4:30-5:30; Wednesdays 10-11

GSI: Benjamin McMillan

GSI E-mail: bmcmillan at (same as instructor)

GSI Office: Evans 1045

GSI Office Hours: Mondays 1-3, Tuesdays/Wednesdays 3:30-5:30, Thursdays 1-2, Fridays 10-12

Course Webpage: <http://math.berkeley.edu/~kozai/m104f15/>

Prerequisites: Math 53 and Math 54

You are responsible for checking your email and checking bCourses for announcements related to the class. You may configure bCourses to [notify you](#) (<http://ets.berkeley.edu/bcourses/communicating>) via e-mail whenever any announcements are made. Before asking any questions, please check the syllabus and announcements on bCourses for any relevant information. E-mails with questions that have been answered on the syllabus, bCourses, or during announcements in class may not receive a prompt response.

Required Textbook

- Ross, [Elementary Analysis: The Theory of Calculus \(2nd edition\)](#) [↗ \(http://link.springer.com/book/10.1007/978-1-4614-6271-2/page/1\)](http://link.springer.com/book/10.1007/978-1-4614-6271-2/page/1) (download only available from Berkeley network)

Useful References:

- Lebl, [Basic Analysis: Introduction to Real Analysis](#) [↗ \(http://www.jirka.org/ra/\)](http://www.jirka.org/ra/)
- Rudin, *Principles of Mathematical Analysis*

Homework

There will be weekly homework assignments due on Wednesdays. They will be posted on the course website and on bCourses at least one week prior to their due date. They are to be turned in at the beginning of class on Wednesday, or in my office by 4pm, either in person or by sliding it under my door. Late homework will not be accepted. However, your two lowest homework grades will not be included in the final grade calculation.

Discussing the problems with other students is encouraged, but each student must write solutions on his/her own. Please acknowledge who you collaborated with by writing their names on the top of your homework before turning it in. Copying solutions, either from other students or from solutions obtained from the internet or any other source, will be considered cheating. A good general guideline is that talking about the problem or explaining the ideas is acceptable, but reading another student's solution (or having it read to you) is not.

It is expected that what you turn in for your homework is a *final draft*. That means it should be written neatly or typed, with complete sentences, and problems should be in the order that they were assigned. It is your responsibility to make it as easy as possible for the grader to understand you. If the grader cannot immediately find a problem to be graded because it is not logically arranged, then you will receive a 0 on that problem.

Exams

There will be two midterm exams on Monday, September 21 and Friday, October 30. Both will be in class. The final exam is Thursday, December 17 at 7-10pm.

In the case of a fire alarm during either of the midterms or the final exam, leave your exams in the room, face down, before evacuating. Under no circumstances should you take the exam with you.

Grading

The final grade will be computed as follows:

- Homework (15%)
- Midterm 1 (20%)

- Midterm 2 (20%)
- Final Exam (45%)

If the final exam score is higher than either midterm score, the lowest midterm score will be replaced by the mean of the score and the final exam score. This effectively means your lowest midterm score can count for 10% of your grade and the final exam for 55% of your grade.

Special Accommodations

If you have a documented disability and require special accommodations of any kind, please e-mail me as soon as possible, and no later than Tuesday, September 8.

Date	Details	
Wed Sep 2, 2015	Homework 1 (https://bcourses.berkeley.edu/courses/1327025/assignments/6685872)	due by 4pm
Wed Sep 9, 2015	Homework 2 (https://bcourses.berkeley.edu/courses/1327025/assignments/6765578)	due by 4pm
Wed Sep 16, 2015	Homework 3 (https://bcourses.berkeley.edu/courses/1327025/assignments/6819719)	due by 4pm
Mon Sep 21, 2015	Midterm 1 (https://bcourses.berkeley.edu/courses/1327025/assignments/6871992)	due by 9am
Wed Sep 30, 2015	Homework 4 (https://bcourses.berkeley.edu/courses/1327025/assignments/6841347)	due by 4pm
Wed Oct 7, 2015	Homework 5 (https://bcourses.berkeley.edu/courses/1327025/assignments/6899686)	due by 4pm
Wed Oct 14, 2015	Homework 6 (https://bcourses.berkeley.edu/courses/1327025/assignments/6918063)	due by 4pm
Wed Oct 21, 2015	Homework 7 (https://bcourses.berkeley.edu/courses/1327025/assignments/6940205)	due by 4pm
Fri Oct 30, 2015	Midterm 2 (https://bcourses.berkeley.edu/courses/1327025/assignments/6871995)	due by 9am
Wed Nov 4, 2015	Homework 8 (https://bcourses.berkeley.edu/courses/1327025/assignments/6958194)	due by 4pm
Thu Nov 12, 2015	Homework 9 (https://bcourses.berkeley.edu/courses/1327025/assignments/6996577)	due by 12pm
Wed Nov 18, 2015	Homework 10 (https://bcourses.berkeley.edu/courses/1327025/assignments/7023943)	due by 4pm
Wed Nov 25, 2015	Homework 11 (https://bcourses.berkeley.edu/courses/1327025/assignments/7042086)	due by 4pm
Fri Dec 4, 2015	Homework 12 (https://bcourses.berkeley.edu/courses/1327025/assignments/7062634)	due by 4pm
Thu Dec 17, 2015	Final Exam (https://bcourses.berkeley.edu/courses/1327025/assignments/6685870)	due by 7pm