

Math 8810: Real Analysis
Fall 2020
Syllabus

Instructor: Kathryn Lindsey
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Class time: 2:00 p.m. – 3:15 p.m., Mondays and Wednesdays

Lecture locations:

Classroom: Carney Hall 303
Online via Zoom: Zoom meeting ID: 91545471370
Join Zoom meeting: <https://bccte.zoom.us/j/91545471370>

Office hours:

Online via Zoom: Tuesdays: 10:30 a.m. - 11:30 a.m.
Thursdays: 9:30 a.m. – 10:30 a.m.,
and by appointment
Zoom Meeting ID: 91545471370 (same as lecture)
Join Zoom meeting: <https://bccte.zoom.us/j/91545471370>
In person: by appointment

Textbook: *Real Analysis: Modern Techniques and their Applications* (2nd edition), by Gerald Folland.
You are required to have either a printed or an electronic version.

Gradescope: You will submit all written coursework (homework, quizzes, exams) online via gradescope:
www.gradescope.com
On gradescope, enroll in our class using the course code
Course Code: **MKER3Z**

Canvas: Our main course website will be on Canvas (log in via agora portal). All course documents, assignments, announcements, and other materials will be posted on Canvas.

Email: Occasionally, you will receive announcements about the course via email at your BC email address. Please check your BC email regularly.

Is in-person attendance required?

NO! You can be 100% successful in this course without *ever* attending an in-person lecture. You have you the *option* of attending lecture in-person on specified days. In-person attendance is NOT required and will not affect your grade.

Is synchronous remote attendance required?

Yes, if possible. Lectures will be live on Zoom, and you should plan to attend online synchronously (in real-time) as much as possible. *Attending synchronously will make it easier for you to learn the material and prevent you from falling behind.* However, recordings of all lectures will be posted on Canvas, and if you are unable to attend a lecture synchronously, you may instead view the recording.

If you are in a (very) different time zone:

Please contact the instructor to discuss attendance and constraints.

If you are sick or think you might be sick:

Stay home! Attend remotely and synchronously, if possible. If you are too sick to attend synchronously, contact your instructor. It is particularly important on days when there are exams to let your instructor know as early as possible if you will not be able to take the exam at the scheduled time.

Seating and moving in the classroom:

We will follow guidelines issued by BC and by the state regarding use of the physical classroom space during the covid-19 pandemic. These procedures will entail a very different and restrictive use of the classroom, as compared to the past.

- Each room will have a sanitizing wipe dispenser at the entrance. Students and faculty should take a wipe upon entrance and clean their space before sitting down.
- You will be assigned a seat on the first day of lecture. Unfortunately, reassigning seats goes directly against Commonwealth of Massachusetts guidelines for safe and healthy classrooms. Consequently, your seat assignment will be fixed for the entire semester.
- On entering the classroom, you should move directly to your seat. During class, you should remain in your seat (except for unavoidable movement, such as leaving to go to the bathroom). Do not move your desk or reduce the space between students.
- The front 8 feet of the classroom is a designated “teaching zone” and students may not enter this zone (even to speak to the instructor before or after class). Ask questions from your seat in the classroom or online (email/zoom) instead of approaching the instructor or other students before or after class.
- The instructor will record attendance at each lecture; this is to facilitate contact tracing.
- Note that you may appear in recordings of lectures, and that these recordings will be posted on Canvas and available to students in the class.

- Within the classroom, masks will be required for all faculty and students at all times. Masks with valves are not acceptable (they only protect the wearer, not those around the wearer). Clear face shields may be worn, but only in combination with a regular mask.

Zoom procedures/etiquette:

We will create a separate class document about Zoom procedures and etiquette. Note that you must log in to Zoom using your BC account.

Technology:

- Please contact your instructor if you do not have the technology/devices necessary for any aspect of this course.
- Weekly homeworks **must be typed in LaTeX** and submitted online as pdf documents through gradescope.
- You should bring a laptop/ipad/smartphone/etc. to in-person lectures. You will need this to answer questions and participate in polls online during lectures.
- You will need to use gradescope, LaTeX, Canvas, and Zoom.

Assignments and grading:

Daily homeworks (20%):

There will be a daily homework (online, through Canvas) due at the beginning of every lecture (Mondays and Wednesdays). Daily homeworks will accomplish two things:

- 1) They will require you to read/skim a section of the textbook before the lecture.
- 2) You will be asked to reflect on the previous section.

Weekly homeworks (30%):

There will be a written homework assignment due (via gradescope) each Friday. You must type your weekly assignments in LaTeX.

Midterm I (15%): format and date TBA

Midterm II (15%): format and date TBA

Final exam (20%): format and date TBA

(if an in-class exam, it will be class time on Mon. Dec. 14)

Accommodations:

If you are a student with a documented disability seeking reasonable accommodations in this course, contact the Connors Family Learning Center (<https://www.bc.edu/libraries/help/tutoring.html>) regarding learning disabilities and ADHD, or the Disability Services Office (https://www.bc.edu/offices/dos/subsidiary_offices/disabilityservices.html) regarding all other types of disabilities, including temporary disabilities. Advance notice and appropriate documentation are required for accommodations. These offices will work with you and your instructor to provide suitable accommodations. Please also feel free to discuss any questions with your instructor.

Academic honesty:

Plagiarism or any form of academic cheating is a serious breach of trust. If, at any point in the semester, you have any questions about what is or is not allowed, contact your instructor. Any instances academic dishonesty will have severe consequences and will negatively impact your course grade.