MATH 320
Real Variables I
Session 2020W Term 1, (Sept-Dec 2020)

Instructor Information

Instructors: Joshua Zahl, Sven Bachmann
Email : jzahl@math.ubc.ca, sbach@math.ubc.ca

Course Information

Course lectures have been pre-recorded, and each week's lectures will be made available in advance. Lectures can be watched using Canvas.

There will be weekly instructor-led **discussion sessions**, held over Zoom. These will be **Wednesday 09:00 - 10:00** and **Friday 09:00-10:00**; there will also be a discussion section **Monday 21:00-22:00** for students in other time zones. While attendance is not mandatory, it is highly encouraged. The Zoom link will be provided over Canvas.

The instructors will hold weekly **office hours**. See Canvas for details
The TAs will hold weekly **office hours**. See Canvas for details

Text: The required textbook for this course is *Principles of Mathematical Analysis*, third edition, by Walter Rudin. The textbook is available at the UBC Bookstore .

Prerequisites: One of the following two requirements:
    (a) a score of 68% or higher in MATH 226
    (b) one of MATH 200, MATH 217, MATH 226, MATH 253, MATH 263 and a score of
        80% or higher in MATH 220.

Evaluation

The course mark will be based on weekly homework assignments (20%), two midterms (20% each), and a final exam (40%).

There will be weekly homework assignments, which are due Friday at 09:00. Homework should be submitted online using Canvas, and late homework is not accepted. The lowest homework score will be dropped.

There will be two midterms held during regular class hours. These will be held on **Wednesday, October 7th 09:00-10:00** and **Friday, November 13th 09:00-10:00**. Midterms will be administered online, and software may be used to ensure the integrity of the exam.

Missing midterms: There are no make-up midterms in this course. Missing the midterm for a valid reason normally results in the weight of that midterm being transferred to the final exam. Any student who misses the midterm is to present to their instructor the Department of Mathematics self-declaration form for reporting a missed assessment to their instructor within 72 hours of the midterm date. This policy conforms with the UBC Vancouver Senate's [Academic Concession Policy V-135](#) and students are advised to read this policy carefully.

Missing the Final Exam: You will need to present your situation to the Dean's Office of your Faculty to be considered for a deferred exam. See the [Calendar](#) for detailed regulations. Your performance in a course up to the exam is taken into consideration in granting a deferred exam status (e.g. failing badly generally means you will not be granted a deferred exam). In Mathematics, generally students sit the next available exam for the course they are taking, which could be several months after the original exam was scheduled.

Academic Integrity: UBC takes cheating incidents very seriously. After due investigation, students found guilty of cheating on tests and examinations are usually given a final grade of 0 in the course and suspended from UBC for one year. [More information.](#)

Students with Disabilities: Please contact the instructor as soon as possible if you need any special accommodations.

Statement on UBC's Policies and Resources to Support Student Success:
UBC provides resources to support student learning and to maintain healthy lifestyles but recognizes that sometimes crises arise and so there are additional resources to access including those for survivors of sexual violence. UBC values respect for the person and ideas of all members of the academic community. Harassment and discrimination are not tolerated nor is suppression of academic freedom. UBC provides appropriate accommodation for students with disabilities and for religious and cultural observances. UBC values academic honesty and students are expected to acknowledge the ideas generated by others and to uphold the highest academic standards in all of their actions. Details of the policies and how to access support are available here.