

MATH 364
Analysis I
Fall 2020

The course, the mid-term and the final exam will all be given online via Moodle.

Instructor*: _____

Email: _____

Office Hours: _____

*Students should get the above information from their instructor during class time. The instructor is the person to contact should there be any questions about the course.

Zoom Office Hours: To be determined.

Zoom Lectures: **Mondays and, Wednesdays, 2:45–4:00 PM.**
Recordings of lectures and supplemental material will be posted on Moodle.

Textbook: *Introductory Real Analysis*, by F. Dangelo & M. Seyfried (on reserve at Webster Library). Scanned chapters will be posted on Moodle.

References: *Introduction to Real Analysis* by William F. Trench; offered online by the American Institute of Mathematics (AIM). Download at
<http://aimath.org/textbooks/approved-textbooks/trench/>

Notes on Real Analysis by L. Larson. Download at
<http://www.math.louisville.edu/~lee/RealAnalysis/IntroRealAnal.pdf>

Assignments: Homework will be assigned approximately every week, on Moodle. **Late homework will not be accepted.** Submit scanned assignments through Moodle as a **single PDF file**. **No other formats or ways of submitting your work are allowed.** (There are free scanner apps such as iScanner for your smartphone). Assignments will be posted on Moodle.

You should provide complete arguments in your work.

Students must follow the University's policy on Academic Integrity:
<http://www.concordia.ca/students/academic-integrity.html>

Online Midterm: There will be a midterm test scheduled in the 7th or 8th week of classes. The exact date of the exam will be announced in class at least a week in advance. **There will be no make-up midterm exam.**

Online Final: To be scheduled by the exams office. Students should plan to be present for the entire exam period and are responsible for finding out the time of the exam when it is announced. Any conflicts or other problems should be reported to the exams office in a timely manner.

Grading: 10% Assignments, 30% Midterm, 60% Final Exam
OR
 10% Assignments, 90% Final Exam

If the grading scheme for this course includes graded assignments, a reasonable and representative subset of each assignment may be graded. Students will not be told in advance which subset of the assigned problems will be marked and should therefore attempt all assigned problems.

Topics: Time frame is approximate and is meant to include the midterm test.

Weeks	Topics	Chapters
1-3	Elements of Proofs and Set Theory. The Real Numbers.	Chapters 1-2
4-6	Sequences	Chapter 3
7-9	Limits of Functions and Continuity.	Chapter 4
10-11	Derivatives	Chapter 5
12	Elements of Topology (time permitting)	Chapter 11
13	Review	

Academic Integrity and the Academic Code of Conduct

This course is governed by Concordia University's policies on Academic Integrity and the Academic Code of Conduct as set forth in the Undergraduate Calendar and the Graduate Calendar. Students are expected to familiarize themselves with these policies and conduct themselves accordingly. "Concordia University has several resources available to students to better understand and uphold academic integrity. Concordia's website on academic integrity can be found at the following address, which also includes links to each Faculty and the School of Graduate Studies: concordia.ca/students/academic-integrity." [Undergraduate Calendar, Sec 17.10.2]

Content belonging to instructors shared in online courses, including, but not limited to, online lectures, course notes, and video recordings of classes remain the intellectual property of the faculty member. It may not be distributed, published or broadcast, in whole or in part, without the express permission of the faculty member. Students are also forbidden to use their own means of recording any elements of an online class or lecture without express permission of the instructor. Any unauthorized sharing of course content may constitute a breach of the Academic Code of Conduct and/or the Code of Rights and Responsibilities.

Disclaimer: In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in the course is subject to change.