



MATH 364: Analysis I (Fall 2026)

Instructor:	Dr. P. Gora
Email Address:	pawel.gora@concordia.ca
Office Hours:	Wednesdays, 13:00-14:30.
Important:	Students should get the above information from their instructor and from the course Moodle site. The instructor is the person to contact should there be any questions about the course.
Class Schedule:	Mondays and Wednesdays, 14:45-16:00. Tutorial: Wednesdays, 10:15-11:30.
Prerequisites:	MATH 222 or MATH 251 or equivalent.

Reading Week

Begins on Saturday, October 10 and ends on Friday, October 16, 2026. No classes that week.

Textbook

Introductory Real Analysis, by F. Dangelo & M. Seyfried.

Understanding Analysis, by S. Abbott.

Notes by the Instructor to be posted on Moodle.

References

Introduction to Real Analysis, by Lee Larson, University of Louisville, available at <https://www.kufunda.net/publicdocs/IntroRealAnal.pdf>.

Introduction to Real Analysis by William F. Trench. Download at <http://aimath.org/textbooks/approved-textbooks/trench/>

An Interactive Introduction to Mathematical Analysis by Jonathan Lewin
Cambridge University Press [ISBN: 9781107694040](#)

Assignments

Homework will be assigned 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 for your smartphone.) Solutions will be posted on Moodle.

You should provide complete arguments in your work. Some assigned problems will not be marked. Students should attempt all problems.

Quizzes

There will be two 15-minutes quizzes, one in week 3 and the second one in week 9. Both will be during classes. The exact dates will be announced in class at least a week in advance.

Midterm

There will be a midterm test scheduled during 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.**

Final Exam

To be scheduled by the Exams Office.

PLEASE NOTE: Students are responsible for finding out the date and time of the final exam once the schedule is posted by the Examination Office. Any conflicts or problems with the scheduling of the final exam must be reported directly to the Examination Office, **not** to your instructor. It is the Department's policy and the Examination Office's policy **that students are to be available until the end of the final exam period. Conflicts due to travel plans will not be accommodated.**

Grading

10% Assignments, 10% Quizzes, 20% Midterm, 60% Final Exam

In case of justified missing the Midterm or a Quiz, the corresponding percentage of the final grade will be moved to the 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

Student Services

You may wish to access the many services available to you as a Concordia student. An overview of these resources can be found here: <https://www.concordia.ca/students/services.html>

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: <https://www.concordia.ca/conduct/academic-integrity.html>" [Undergraduate Calendar, Sec 17.10.2]

Behaviour

All individuals participating in courses are expected to be professional and constructive throughout the course, including in their communications.

Concordia students are subject to the [Code of Rights and Responsibilities](#) which applies both when students are physically and virtually engaged in any University activity, including classes, seminars, meetings, etc. Students engaged in university activities must respect this Code when engaging with any members of the Concordia community, including faculty, staff, and students, whether such interactions are verbal or in writing, face to face or online/virtual. Failing to comply with the Code may result in charges and sanctions, as outlined in the Code.

Intellectual Property

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](#). As specified in the [Policy on Intellectual Property](#), the University does not claim any ownership of or interest in any student IP. All university members retain copyright over their work.

Use of Concordia email

Your [Concordia email](#) is the official channel for all university communications, as required by the university's Policy on Concordia email accounts for students and employees. Please use your Concordia email for all communication related to this course and check it regularly so you don't miss important information. [Learn more about how to access your Concordia email.](#)

As a student, you are expected to follow the email policy and to use your Concordia email in a respectful and responsible manner. The policy helps ensure that communication across the university is secure, reliable, and consistent.

Extraordinary circumstances

In the event of extraordinary circumstances and pursuant to the [Academic Regulations](#) the University may modify the delivery, content, structure, forum, location and/or evaluation scheme. In the event of such extraordinary circumstances, students will be informed of the change.