

MATH 365
Analysis II
Winter 2026

- Instructor:** Dr. Alexey Kokotov
Email: alexey.kokotov@concordia.ca
- Lectures:** Mondays & Wednesdays, 13:15-14:30.
Note: There will be a mid-term break from March 2 to March 8.
- Office Hours:** TBA.
- Textbook:** *Introductory Real Analysis*, by F. Dangelo & M. Seyfried (on reserve at Webster Library). Scanned chapters accessible through Course Reserves from the Moodle site.
- References:** *Calculus*, 3rd Edition, by M. Spivak.
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/>
These and other references will be available on reserve at Webster library.
- Assignments:** **Assignments will be posted on Moodle weekly. Students should submit their solutions electronically on Moodle by the due date.** In the case of an absence, it is the student's responsibility to find out the homework assignment and submit it on time. **Late homework will not be accepted.**
- Some assigned problems may not be marked. **Understanding of the homework is essential to success on the exams.** Therefore, every effort should be made to do the homework assignments *independently* and understand the solutions. Students must follow the University's policy on Academic Integrity: <https://www.concordia.ca/conduct/academic-integrity.html>
- Midterm Test:** There will be a closed-book 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.**
- 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: 15% Assignments, 25% Midterm Test, 60% Final Exam
OR
15% Assignments, 85% 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.

Weeks	Topics	Chapters
1-4	Riemann Integration	Chapter 6
5-7	Series of Real Numbers	Chapter 7
8-9	Sequences and Series of Functions	Chapter 8
10-11	Power Series and Taylor Series	Chapter 9
12	REVIEW	

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.

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.