

MATH 365 (MATH 627), Sec. A
Analysis II
Winter 2019

- Instructor:** Dr. H. Proppe, Office: LB 1041-23 (SGW), Phone: 514-848-2424, Ext. 3217
Email: hal.proppe@concordia.ca
- Lectures:** Mondays-Wednesdays, 13:15-14:30; MB 3.210.
- Textbook:** *Introduction to Real Analysis* by F. Dangelo & M. Seyfried (on reserve at Webster Library). Scanned chapters accessible from the Moodle site.
- Suggested 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/>
Calculus, 3rd Edition, by M. Spivak (on reserve at Webster Library).
- Assignments:** Given approximately weekly. **No late assignments will be accepted.** You should submit your assignments handwritten on paper, not electronically, and provide complete arguments. **Not all assigned problems will be marked.** Solutions to assigned problems will be posted on Moodle. Students must follow the University's policy on Academic Integrity: <http://www.concordia.ca/students/academic-integrity.html>
- Midterm Test:** There will be a midterm evaluation scheduled in the 7th or 8th week of classes. There is no make-up midterm test.
- Grading:** 10% Assignments, 30% Midterm Test, 60% Final Exam
OR
100% Final Exam

Note: Since 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	Sections
1-4	Riemann Integration	Chapter 6
5-7	Series of Real Numbers	Chapter 7
8-10	Sequences and Series of Functions	Chapter 8
11-12	Power Series and Taylor Series	Chapter 9
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*]