

MATH 364 (MATH 626), Sec. A, B
Analysis I
Fall 2018

Instructor*: _____

Office/Tel No: _____

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.

Text: *Notes on Real Analysis* by L. Larson.
Available online:
<http://www.math.louisville.edu/~lee/RealAnalysis/IntroRealAnal.pdf>

Auxiliary text book (available online through the library's course reserves):

Introductory Real Analysis by Frank Dangelo and Michael Seyfried, published by Brooks/Cole.

Assignments: Homework will be assigned approximately every week. In the case of an absence, it is the student's responsibility to find out the homework assignment and turn in the homework on time. **Late homework will not be accepted.**

You should submit your homework **handwritten on paper**, not electronically, and provide complete arguments. Some assigned problems may not be marked. Understanding of the homework is essential to success on the exams.

The assignments, solutions and other useful documents will be posted on Moodle and on

<http://www.mathstat.concordia.ca/faculty/pgora/m364/>

Midterm Test: 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.**

Final Exam: 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 and location 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 Test, 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.

| 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 6 |
| 10-11 | Derivatives | Chapter 7 |
| 12 | Elements of Topology | Chapter 5 |
| 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]