Department of Mathematics & Statistics
Concordia University

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MATH 364
Analysis I
Winter 2017

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Course Instructor: Dr. G. Dafni**,** Office: LB 927-15 (SGW), Phone: 514-848-2424, Ext. 3216
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Textbook: *Notes on Real Analysis* by L. Larson.
Available online:
http://www.math.louisville.edu/~lee/RealAnalysis/IntroRealAnal.pdf

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.
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 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

Weeks	Topics	Chapters
1-4	Elements of Proofs and Set Theory. The Real Numbers.	Chapters 1-2
5-7	Sequences	Chapter 3
8-10	Limits of Functions and Continuity.	Chapter 6
11-12	Derivatives	Chapter 7
13	Elements of topology (if time permits).	Chapter 5