Department of Mathematics & Statistics
Concordia University

> **MATH 364 (MATH 626)**
> Analysis I
> ***Fall 2015***

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.

Course Examiner: Dr. P. Gora

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

Assignments: Given weekly on the webpage
http://www.mathstat.concordia.ca/faculty/pgora/m364/
Solutions to be submitted the following week in class. No late assignments will be accepted. *You should provide complete arguments in your homework.* Solutions to assigned problems will be posted on the same webpage. Other course related materials will also be posted there.

Class Test: There will be a class test scheduled in the 7th or 8th week of classes.

Grading: 10% Assignments, 30% Class Test, 60% Final Exam **or** 100% Final Exam.

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**	