Department of Mathematics & Statistics
Concordia University

> **MATH 364 (MATH 626)**
> Analysis I
> ***Fall 2014***

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. R. J. Stern

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

Assignments: Given weekly; see the next page. No late assignments will be accepted. *You should provide complete arguments in your homework.* Detailed solutions to assigned problems will be posted on the Moodle Meta Site for the course.

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	Set Theory and 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**	

WEEKLY HOMEWORK ASSIGNMENTS

Week	Assignments
1	1.2(b), 1.5, 1.9
2	1.13, 1.19 2.3, 2.5, 2.6
3	2.7, 2.9, 2.10,2.11
4	3.1, 3.3, 3.5
5	3.12. 3.13, 3.14
6	3.6, 3.19, 3.21
7	6.1, 6.2, 6.5
8	6.3, 6.6, 6.7, 6.11
9	6.14, 6.17, 6.20, 6.21
10	TBA*
11	TBA*
12	TBA*

*To Be Announced in class