MATH 2202 Fundamentals of Mathematical Analysis Fall 2009

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Office Hours: Mondays 2:30 - 3:30 and Tuesdays 11:30 - 12:30 (or by appointment)

Textbook: Introduction to Real Analysis, R.G. Bartle and D.R. Sherbert (3rd edition)

Approximate Course Outline:

Topics Chapters from Bartle, Sherbert

Preliminaries Chapter 1
Real Numbers Chapter 2
Sequences Chapter 3
Limits Chapter 4
Continuous Functions Chapter 5

The order of the topics may differ from the one above. Not every section of the listed chapters will be covered.

Calculation of Final Grade:

Assignments: There will be four assignments (tentative dates are Sept. 23, Oct. 14, Nov. 9, Nov. 27). Each assignment is worth 6% of your final grade, for a total of **24**%. Late assignments receive a grade of zero.

Test: October 28, worth 26%

The **final examination** will be worth **50**% of the final grade.

The **Voluntary Withdrawal** deadline is November 18.

The Department of Mathematics, the Faculty of Science and the University of Manitoba regard acts of academic dishonesty in quizzes, tests, examinations or assignments as serious offenses and may assess a variety of penalties depending on the nature of the offense.

Acts of academic dishonesty include bringing unauthorized materials into a test or exam, copying from another student, plagiarism and examination personation. Students are advised to read section 7 (Academic Integrity) and section 4.2.8 (Examinations: Personations) in the "General Academic Regulations and Requirements" of the current Undergraduate Calendar. Note, in particular that cell phones and pagers are explicitly listed as unauthorized materials, and hence may not be present during tests or examinations.

Penalties for violation include being assigned a grade of zero on a test or assignment, being assigned a grade of "F" in a course, compulsory withdrawal from a course or program, suspension from a course/program/faculty or even expulsion from the University. For specific details about the nature of penalties that may be assessed upon conviction of an act of academic dishonesty, students are referred to University Policy 1202 (*Student Discipline Bylaw*) and to the Department of Mathematics policy concerning minimum penalties for acts of academic dishonesty.

The *Student Discipline Bylaw* is printed in its entirety in the Student Guide, and is also available on-line or through the Office of the University Secretary. Minimum penalties assessed by the Department of Mathematics for acts of academic dishonesty are available on the Department of Mathematics web-page.

All Faculty members (and their teaching assistants) have been instructed to be vigilant and report incidents of academic dishonesty to the Head of the Department.