136.169 Calculus
L01, 2005/06

Instructor: N. Zorboska   **e-mail:** zorbosk@cc.umanitoba.ca
Office: 351 Machray Hall   **Telephone:** 474-9832
Web-page: http://home.cc.umanitoba.ca/~zorbosk/169_05-06/169.html
Office Hours: Mondays 2:30 - 3:30 and Tuesdays 1:30 - 2:30
Textbook: James Stewart, (Single Variable) Calculus (Fifth edition)

Approximate Course Outline:

Topics	Sections from Stewart
Preliminaries (review)	Apendix A-D, Sections 1.3, 1.5, 1.6
Limits and Continuity	Sections 2.2 – 2.7
Differentiation	Sections 2.8, 2.9, 3.1, 3.2, 3.4-3.8
Applications of Derivatives	Sections 3.10, 4.1-4.5, 4.7, 11.12
Integration	Sections 4.10, 5.1-5.4
Techniques of Integration	Sections 5.5, 7.1-7.4, 7.8
Applications of Integration	Sections 6.1-6.3, 8.1, 8.2
(If time permits) Parametric Curves and Polar Curves	Sections 10.1, 10.3

The order of the topics may differ from the one above.

Calculation of the Final Grade:

Quizzes (10%):
There will be six short (10 – 15 min.)tutorial tests (tentative dates are Oct.4, Oct 25, Nov. 22, Jan. 17, Febr.7 and March 28). Each quiz is worth 2% and the best five out of the six will be counted for a total of **10%** of the final grade. (No make up quizzes are allowed.)

Assignments (20%):
There will be five assignments (tentative dates are Sept. 21, Oct.14, Nov.28, Jan. 18 and March 15). Each assignment is worth 4% of your final grade, for a total of **20%**. (Late assignments receive a grade of zero.)

Tests (30%):
There will be two tests done during the tutorial hour:

        Test 1:   November 8   **15%**
        Test 2:   February 28   **15%**

The **final examination** will be worth **40%** of the final grade.

The first tutorial in Term 1 is on September 20-th and in Term 2 on January 10-th.

The **Voluntary Withdrawal** deadline is March 17.

Academic honesty:
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.