

MATH 114, Calculus I, Section C2
Fall 2008

Textbook (a) **Thomas' Calculus (Single Variable)** 11th Edition, or (b) **Thomas' Calculus** 11th Edition, both by George B. Thomas.

Note: **Thomas' Calculus** 11th Edition is recommended for students planning on taking second year calculus (Math 214/215).

Solutions Manual **Students Solutions Manual** for Thomas' Calculus 11th Edition, **Volume I**

Contact Info:

Instructor	Office	E-Mail	Phone	Office Hours
Michael Li	CAB 643	mli@math.ualberta.ca	492-2032	T: 2-4, F: 3-4

Prerequisite Pure Math 30, Math 31 or equivalent. This course may not be taken for credit if credit has been obtained in Math 100, 113 or 117.

Calculators Use of a calculator during exams will not be permitted nor required.

Objectives and Course Content The first course of Calculus is a basic mathematical tool for a large population of students. This course aims to provide the knowledge and to prepare students to solve optimization, rate of change and area problems using the basics of calculus. The course will cover Chapters 1 through 5 of the textbook. Sections 2.3 and 4.6 will be omitted.

Final Grades

Assignments	10%
Midterm Examination	35%
Final Examination	55%

The exact rule used to translate scores into the letter grade system is not determined in advance, but in general terms the minimum passing grade of D will likely require a score of approximately 50% while a grade of A will likely require a score in the 90's. The University of Alberta recommended grade distribution for first year courses will be used as a guide.

Homework There will be 11 homework assignments during the semester. The best of 10 homework grades will be counted. The homework will be assigned and graded on MathXL. Each student is required to register on MathXL (www.Mathxl.com) using the access code that comes with your copy of the textbook. Please enter the correct course and section information when register. You will be asked to make your own login id and password. We advise you NOT to use your UofA ccid or password, nor your student id. We also advise you to use your real name when registering. This will help the instructor to correctly identify you on the online gradebook. Once you login to MathXL, you will be able to see the homework assignments and when a homework is available and due. After an answer is entered on MathXL, you will get an instant response as to if your

answer is correct. You are allowed **two tries** before a final answer is recorded. Online helps such as hints, step-by-step help, and similar examples are available at your fingertip while you work on homework. Please complete your homework before the due date.

Examinations

Midterm: October 24, 2008, Friday, in class

Final Exam: December 10, 2008, Wednesday, 9:00 – 11:00, Place TBA

Deferred Exam: There will be NO deferred midterm exam. Deferred final exam is scheduled for Saturday, January 10, 2009, place TBA. Please note that decision for allowing a deferred exam is made by the student's faculty, not by the course instructor.

Learning Resources

Help Sessions: Additional help will be available at help sessions on a first-come first-serve basis. The location and schedule will be announced later in class.

MathXL: This is an extensive online learning tool developed by Pearson Education. Free access to MathXL comes with your new textbook purchase. If you bought a used text, a stand-alone access code can be purchased at the bookstore for \$10. A Pearson representative will give a brief introduction to MathXL in class.

MASC: The Math and Applied Science Centre offers a variety of programs to help students including pre-calculus program, weekly tutorials, and exam preparations at reasonable cost. Contact MASC via masc@ualberta.ca or 492-6272. Visit MASC online at <http://www.ualberta.ca/~masc>.

Web Sites

The course has a web portal:

http://www.math.ualberta.ca/Courses/114/math114_index.html.

Important course materials such as assignments, practice exams and announcements are available. You can also access MathXL from the portal. My personal web site is located at: <http://www.math.ualberta.ca/~mli/courses.htm>. Materials specific to my section will be posted there.

Students Behavior

The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behavior (online www.ualberta.ca/secretariat/appeals.htm) and avoid any behavior, which could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offense and can result in suspension or expulsion from the University.

Math 114, Fall Semester 2008
Tentative Weekly Schedule

This schedule is only a guideline.

Month	Dates	Sections	Homework
Sept.	3-5	1.1, 1.2	None
	8-12	1.3-1.6, A9	1.1, 1.2
	15-19	2.1, 2.2, 2.4	1.3-1.6
	22-26	2.4, 2.5, 2.6	2.1, 2.2, 2.4
	29- Oct. 3	2.7, 3.1, 3.2	2.4-2.7
Oct.	6-10	3.3, 3.4, 3.5 (Omit parametric eqns)	3.1, 3.2
	13-17	3.6, 3.7 (Thanksgiving Monday)	3.3-3.5
	20-24	Review, Midterm, 3.8	Sample Midterm Exam Midterm week, none
	27-31	4.1, 4.2, 4.3	3.6, 3.7
Nov.	3-7	4.4, 4.5	4.1-4.3
	10-14	(Monday and Tuesday no classes), (4.7), 4.8	None
	17-21	5.1, 5.2, 5.3	4.4, 4.5, (4.7), 4.8
	24-28	5.4, 5.5	5.1-5.3
Dec.	1-3	5.6 (omit areas between curves), Review	5.4, 5.5, 5.6 Sample Final Exam

There are total of 11 homework assignments. The best 10 grades count.