



MATH 214 (R1) Winter 2008 Intermediate Calculus I

Course Information

Department of Mathematical and Statistical Sciences
University of Alberta

INSTRUCTOR: I. E. Leonard (email: isaac@math.ualberta.ca).

OFFICE: CAB 679.

OFFICE HOURS: MWF 3:00–4:00 p.m. or by appointment.

TEXT: *Calculus*, 5th edition, by James Stewart (**NOT** the *Early Transcendentals* version).

PREREQUISITE: Math 115 or equivalent.

GRADING SCHEME:

Quiz (Feb. 15, Friday, in class)	20%
Midterm Exam (Mar. 14, Friday, in class)	30%
Final Exam (Apr. 22, Tuesday, 9:00)	50%

The final grades are not curved. The minimum passing grade (D) corresponds to 50% and the grade of A+ corresponds to roughly 96–97%. Please keep in mind that the final grades for the class may vary slightly from the above range depending on a number of factors.

CALCULATORS AND FORMULA SHEETS: Use of calculators or formula sheets during exams will not be permitted.

ASSIGNMENTS: There will be weekly problem sets given during the term, and each problem set will consist of problems taken from the text. Problem sets will not be collected for marking, solutions to the problem sets will be posted on my webpage and the quiz problems and examination problems will be similar to problems from these problem sets.

The solutions to the problem sets along with other course material will be posted on my web page (**NOT webct**):

<http://www.math.ualberta.ca/~isaac/>

DEFERRED EXAMINATIONS: There will be no deferred midterm exam. If you have a valid reason for missing the exam you must notify the instructor within 48 hours of the exam with supporting documents, and apply to have the weight of the midterm transferred to the final exam weight.

The deferred final examination (for those who qualify) will be held on Saturday May 10, 2008 at 9:00 am in CAB 273.

HELP SESSIONS: Additional help will be available on a first-come first-serve basis. An announcement will be made in class later when this help becomes available.

SYLLABUS: We will cover the following :

Chapter 12. Infinite Sequences and Series:	Sec. 1 – 10, 12 (briefly)
Chapter 11. Parametric Equations and Polar Coordinates:	Sec. 1 – 4
Chapter 13. Vectors and the Geometry of Space:	Sec. 1 – 5, (6 if time permits)
Chapter 14. Vector Functions:	Sec. 1 – 3
Chapter 15. Partial Derivatives:	Sec. 1 – 8

CODE OF STUDENT BEHAVIOR:

Students are urged to familiarize themselves with the provisions of the Code of Student Behavior 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 offence and can result in suspension or expulsion from the University.

APPROXIMATE SCHEDULE: (Classes held on MWF: 11:00–11:50 in CEB 336)

We may be slightly ahead or behind at some time but it will work out in the end.

Month	Dates	Sections
Jan./Feb.	7 – 11 14 – 18 21 – 25 28 – 1	12.1, 12.2 12.3, 12.4, 12.5 12.6, 12.7, 12.8 12.9, 12.10
Feb.	4 – 8 11 – 15 18 – 22 25 – 29	12.12, 11.1, 11.2 11.3, 11.4, Quiz (Fri.) Reading Week 13.1, 13.2, 13.3
Mar.	3 – 7 10 – 14 17 – 21 24 – 28	13.4, 13.5, (13.6) 14.1, 14.2, Midterm (Fri.) 14.3, 15.1, 15.2 15.3, 15.4, 15.5
Mar./Apr.	31 – 4 7 – 11 22	15.5, 15.6, 15.7 15.8, Review Final Exam: 9:00 – 11:00