



Faculty of Science
DEPARTMENT OF MATHEMATICS AND STATISTICS
Course Information Sheet

1. **Course:** MATHEMATICS 253/263 -- Calculus II
Lecture/Time/Session: L03 MWF 09:00-09:50 ST 141 WINTER 2004
+ M263 L03 T 11:00 MS 527 (Ling)
Instructor(s): K.W. Chang
Office/Phone/Email: MS 426 220-6301 kchang@math.ucalgary.ca

2. **Prerequisites:** Mathematics 249 or 251 or Applied Mathematics 217

Unless otherwise noted, each prerequisite course must be completed with a final letter grade of C- or better.

NOTE: The Faculty of Science policy on pre- and co-requisite checking is outlined on page 198 of the 2003-2004 Calendar. **It is the students' responsibility to ensure that they have the pre- and co-requisites for the course. If they do not, they will be withdrawn from the course without notice.**

3. **Fee policy:** After the last day to drop/add courses, there will be no refund of tuition fees if a student withdraws from a course, courses or the session.

4. **The University policy on grading and related matters** is described on pages 41-42 of the 2003-2004 Calendar. In determining the overall grade in the course, the following weights will be used:

Quizzes	[Best 4 of 5]	30%
Mid-term Test		20%
Final Exam		50%

There will be a final examination scheduled by the Registrar's Office. A passing grade on each/any particular component of the course is essential to passing the course as a whole.

5. **Missed Components of Term Work.** The regulations of the Faculty of Science pertaining to this matter are outlined on page 199, of the 2003-2004 Calendar. It is the student's responsibility to familiarize herself/himself with these regulations.

6. **Academic misconduct** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the 2003-2004 University Calendar under the heading "Student Misconduct", pages 53-56.

7. **Dates and times of class exercises held outside of class hours (evening tests, Saturday laboratory examinations, weekend field trips, etc.):**

REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME-ACTIVITY

THERE IS NO OUT OF CLASS ACTIVITY SCHEDULED FOR THIS COURSE.

8. Text: Calculus, Early Transcendentals, 5th edition, by James Stewart.
9. In addition to the instruction provided by their lecturer and tutorial instructor, there is a continuous tutorial available where students may obtain individual help with questions about the course material and exercise problems. Faculty members and graduate students will be available in the continuous tutorial room to answer questions in a one-to-one fashion. The continuous tutorial will be held in MS 365 on Mondays, Tuesdays, Wednesdays, and Thursdays from 11:00-15:00, and Fridays from 11:00-14:00. These continuous tutorial and regularly scheduled labs shown on student timetables are the only tutorials for this course sponsored by the Department of Mathematics and Statistics. Tutorial and help sessions for which there is a fee are NOT sponsored by the Department and the Department is not responsible for their content, which is sometimes erroneous.
10. There will be five quizzes of approximately 30 minutes duration which will be held in the labs. The mid-term test will be on **FRIDAY, MAR 5, 2004**.
11. The use of a calculator up to the level of a TI83 will be allowed on all tests and quizzes.

DETAILED SCHEDULE

Week	Date	Topic	Text Reference	Events
1	Jan 12	Inverse functions	1.5	
2	Jan 19	Fundamental Theorem Integration by substitution	5.3 5.5	
3	Jan 26	Integration by parts Trigonometric Integrals	7.1 7.2, 7.3	QUIZ 1
4	Feb 2	Partial fractions Numerical integration	7.4 7.7	Review 7.5
5	Feb 9	Improper integrals Applications	7.8 8.1	QUIZ 2
6	Feb 23	Applications	8.2, 8.3	
7	Mar 1	Differential Equations	9.1	MID-TERM EXAM
8	Mar 8	Differential Equations	9.1, 9.3	QUIZ 3
9	Mar 15	Differential Equations	9.4, 9.5	
10	Mar 22	Differential Equations	9.6, 9.7	QUIZ 4
11	Mar 29	2 nd Order Differential Equations	17.1	
12	Apr 5	2 nd Order Differential Equations	17.2	QUIZ 5
13	Apr 12	2 nd Order Differential Equations Topics	17.3	