

MATH 124 - Differential and Integral Calculus
Winter 2011

Instructors:

Alan Ableson

math121@mast.queensu.ca

JEFF 505

Course web site: <http://www.mast.queensu.ca/~math121/>

Description:

Differentiation and integration of the elementary functions, with applications to physical and social sciences; Taylor polynomials; multivariable differential calculus. Intended for students planning to concentrate in subjects other than Biochemistry, Biology, Life Sciences, Mathematics or Statistics.

Textbook:

Single and Multivariable Calculus, Fifth Edition – Hughes-Hallett

Calculator:

The use of the Casio 991 series calculator is permitted and is the only approved calculator for Arts and Science students. This inexpensive calculator sells for around \$25 at the Queen's Campus Bookstore, Staples and other popular suppliers of school and office supplies.

Mark Distribution:

3 Tests – 36% (12% each)

April Exam: 60%

Test Completion: 4%. Full 4% given for writing all 3 tests, or contacting the instructor in case of legitimate absence.

- If the exam mark is higher than any **written** term test, the test mark will be replaced with the exam mark. (Applies to all tests with grades lower than the exam grade, not just the lowest.)
- **If a student misses a test without a valid reason**, the mark for the test will remain a zero, regardless of exam performance. See Rules and Regulations below.

Parts of the course

- **Lectures** will introduce the key ideas of the course, and will be used to work through introductory examples
- **Assignments**, along with solutions, will give you the chance to master the skills of the course
- **Tutorials** will be where tutors can provide additional examples, as well as the opportunity to get further clarification about the assignment problems.
- **Tests** are written during your tutorial times, 3 times per term. They will be based on the "Test Preparation Problems" from the Assignments.

Rules and Regulations

- All tests are mandatory, and can only be missed through pre-arrangement, or due to illness/family emergency. Notification by email is required within 7 days of the missed test in the case of illness/family emergency.
- Missed tests (with appropriate notification) will not be re-taken; the weight for the test will be added to the exam for the current term. **Missed tests without a reason/notification will be given a grade of zero.**
- In the tests and exam, no resources can be used, except those provided explicitly in the test.
 - First violation on a test: zero on **two** tests, record with the Faculty.
 - Second violation on a test or violation in the exam: zero for the course, communication with the Faculty.

Test Schedule

The three term tests will be during your tutorials in the following weeks, and will cover the designated assignments/class weeks.

Test	Week	Assignments Covered
1	Jan 31- Feb 4 (Wk 16)	12, 13, 14, 15
2	Mar 7-11 (Wk 20)	16, 17, 18, 19
3	Apr 4-8 (Wk 24)	20, 21, 22, 23