

MATH 2004 (B) Multivariable Calculus for Engineering or Physics

Fall 2008

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Lectures: Tuesday and Thursday 2:35 – 3:55 pm in Azrieli Theatre 102

Office Hours: Tuesday and Thursday 13:30 – 14:30, or email me for appointments

Textbook: *Multivariable Calculus, 6th edition, Thomson, 2008* by J. Stewart

Note: If you have the 5th edition of this book, you can use it. However, the numbers of chapters, sections, and the exercise questions are different. You should make necessary adjustment.

Prerequisite: i) MATH 1005 or MATH 2007; and
ii) MATH 1104 or MATH 1107; or permission of the School
Precludes additional credit for:
MATH 2001, MATH 2002, MATH 2008, MATH 2009 and MATH 2000

Tutorials: Monday 11:35 am – 12:25 pm starting **Sept 15**
Section B1 (SA 317)
Section B2 (SA 306)
Section B3 (SA 404)
Section B4 (SA 502)

Term Tests: During tutorial on **September 29, October 20, and November 10**.

Note: No make-up, early, or delayed tests will be held. Only absences due to serious illness or extreme personal misfortune will be excused. Otherwise, any missing test will be counted as zero. It is your responsibility to pick up your tests in the following tutorial hours. After that TA's and I are not responsible for missing test papers.

Important Dates:	First lecture	September 4
	Last day to change courses	September 19
	Last day to withdraw	November 7
	Last lecture	November 27
	Exam period	December 4 – 20

Grading Scheme:	Term Tests	45%
	Tutorial Work	5%
	Final Exam	50%

Note: Students who do not have a passing term work (25 out of 50) and are absent on the final examination will be assigned the grade of FND (Failure with no deferred final examination). You are responsible for keeping up with information announced in class or the course web site.

Syllabus: Fourier series, Sections 11.1 - 11.4, 13.1 - 13.6, 14.1 - 14.3, 15.1 - 15.8, 16.1 - 16.4, 16.6 - 16.8, 17.1 - 17.4 of the textbook, with certain topics omitted or abbreviated. The order of presentation will not always be the same as in the text.

Tutorial Work: There will be problem solving sessions during the tutorial hour. At the end of the tutorial hour you will be requested to hand in your work in order to be evaluated (please bring a solution sheet yourself). Your tutorial work during the term will be counted as 5%.

Homework: Selected exercises, mainly from the text, will be assigned in class. These exercises are not to be handed in and will not be graded. However, to succeed in the course it is absolutely essential that you do the exercises on a regular basis.

Final Exam: This is a three hour exam scheduled by the University and will take place sometime during the examination period December 4 – 20. It is the responsibility of each student to be available at the time of the examination. In particular, no travel plans for the examination period in December should be made until the examination schedule is published. The final examination will be counted as 50%.

After the exam is written, the students are allowed to make an appointment with the instructor to view their exam. This examination review is for educational purposes only and NOT for negotiation of your grade. Please remember that we do not change your grade on the basis of your needs (such as scholarships, etc).

Calculators: You may use only simple non-programmable, non-graphing calculators for the tests and the final examination in this course. I reserve the right to disallow any calculators.

Math Tutorial Centre: Room 1160 HP (tunnel junction to Herzberg Building) is a drop-in centre where students in elementary courses can get one-on-one help in mathematics and statistics. The centre will open in the 2nd or 3rd week of classes. The opening date will be announced later on.

Academic Accommodation: You may need special arrangements to meet your academic obligations during the term because of disability, pregnancy or religious obligations. Please review the course outline promptly and write to me with any requests for academic accommodation during the first two weeks of class, or as soon as possible after the need for accommodation is known to exist.

It takes time to review and consider each request individually, and to arrange for accommodations where appropriate. Please make sure you respect these timelines particularly for in-class tests, mid-terms and final exams.

You can visit the Equity Services website to view the policies and to obtain more detailed information on academic accommodation at <http://carleton.ca/equity/accommodation>.

Students with disabilities: Students with disabilities requiring academic accommodations in this course must contact a coordinator at the Paul Menton Centre (phone: 520-6608) for Students with Disabilities to complete the necessary Letters of Accommodation. After registering with the PMC, make an appointment to meet and discuss your needs with the instructor in order to make the necessary arrangements as early in the term as possible, but no later than two weeks before the first test requiring accommodations.