MAT133Y Calculus I(B)
Syllabus
(2018 May – August)

Course Description

MAT 133Y is an introductory survey of some basic theory and applications of Calculus and Linear Algebra. Topics covered include: basic financial mathematics, matrix operations and linear systems, differentiation, integration and associated techniques, optimization, and multivariable calculus.

Prerequisites

High school level mathematics and calculus

Textbook

(required) Haeussler, Paul, and Wood, Introductory Mathematical Analysis, 13th edition
(required) MAT 133Y Supplementary Material, and Harder Questions and Solutions by members of the Math. Dept. available for free on the MAT133Y website

(optional) Students Solution Manual for the above textbook

Course Web Page

> `http://www.math.toronto.edu/~lchen/mat133.html`

Instructor

> Li Chen   `il.chen@mail.utoronto.ca`

Teaching Assistants

> Dmitri Chouchkov   `dmitri.chouchkov@mail.utoronto.ca`
> Jordan Hofmann   `j.hofmann@mail.utoronto.ca`
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> Shawn Unger   `shawn.unger@mail.utoronto.ca`
> Kai Wang   `kkai.wang@mail.utoronto.ca`

Lectures and Tutorials

Our first lecture is on May 8, 2018 and our last lecture is on August 9, 2018.

Section	Time	Location	Instructor
LEC0101	T 10 − 13	WB 116	Li Chen
	R 10 − 13	WB 116	
TUT0101	T 14 − 15	BA 2139	Tristan Milne
TUT0101	R 14 − 15	BA 2139	
TUT0102	T 14 − 15	BA 1230	Kai Wang
TUT0102	R 14 − 15	BA 1230	
TUT0103	T 14 − 15	BA 2195	Dmitri Chouchkov
TUT0103	R 14 − 15	BA 2195	
TUT0201	T 15 − 16	BA 2139	Tristan Milne
TUT0201	R 15 − 16	BA 2139	
TUT0202	T 15 − 16	BA 1230	Kai Wang
TUT0202	R 15 − 16	BA 1230	
TUT0203	T 15 − 16	BA 2195	Dmitri Chouchkov
TUT0203	R 15 − 16	BA 2195	

Office Hours and Math Aid Center Hours

Li Chen's office hour: Thursday 14 − 16, PG 301
MAC hour: **TBA** near exams

Grading Scheme

Your grade will be:

10% Quizzes + 40% Tests (3) + 50% Final Exam

If, for a valid reason, a quiz or test is missed, the following grading policies will be followed.

1. Missing a quiz: you will receive 0 on the given quiz. There is no make up quiz.

2. Missing exactly 1 test: your mark for the missed test will be calculated as [class average on the missed test] times the ratio of [you average mark on the rest 2 tests] and [the average of the class averages of the 2 tests]. There is no make up test

3. Missing exactly 2 tests: 10% quiz + 15% for the 1 test you attended + 75% final exam. There is no make up test

4. Missing 3 tests: 10% Quizzes + 90% Final Exam

Any request to remark, complaint for a mark discrepancy, or any mark related grievance must be made within 2 weeks after the quiz or test is returned.

Note: if you received very low marks on the tests, it is likely you will fail the final.

Quizzes

There will be a total of 16 quizzes to be held in the last 10 minutes of your tutorials. Only your best 13 of 16 quizzes will count. The quizzes are marked as pass-or-fail. Quiz questions will be similar to those found on suggested problem sets on the course web page. **You must write the quiz in your assigned tutorial; otherwise, you will receive a zero for the quiz. There will be no make-up quizz.**

Tests

There will be 3 tests, 110 minutes in duration per test.

Tests	Time	Location	Tentative Coverage
Test 1	Thur May 31, 7-9 pm	TBA	Financial math and linear algebra
Test 2	Thur June 21, 7-9 pm	TBA	Limits, continuity, and simple differential calculus
Test 3	Thur July 19, 7-9 pm	TBA	Curve sketching, and optimization

You can visit the course web page to access past tests.

Calculator Policy

The one and only calculator you will be permitted to use on quizzes, tests, and exams is the TI-30XIIS. No formula or writing can appear on the calculator itself. You will be severely disciplined by the Faculty of Arts and Science should you choose to do otherwise.

Email Policy

Please send email for **administrative purposes** only. For math questions, please ask your instructor/TA in person during class or office hours.

Additional Notes on Missed Tests and Quizzes

If you missed or will miss a quiz for a valid reason, please contact your tutorial TA. If you missed or will miss a test, please contact the instructor.

If you have an academic conflict with the regular sitting of the midterm (e.g. a tutorial, lecture, or lab for another course), then you must inform your instructor no later than one week before the test. Assuming you obtain approval, you will write the early sitting of the corresponding test TBA. If you have an academic conflict with both the early sitting and the regular sitting then your grade will be adjusted as if you missed the tests for a valid reason.

If you miss the midterm test or a quiz for any other legitimate reason (e.g. severe illness), you should notify your instructor as soon as possible, no more than 48 hours after the missed midterm/quiz, to obtain special permission and provide proper documentation for details). You should submit your documentation to your instructor no later than one week after the day of the midterm/quiz.

The University's "Verification of Illness and Injury" form (illnessverification.utoronto.ca) is the only acceptable form of direct medical documentation. For non-medical documentation, please see these guidelines by the Faculty of Arts and Science and the corresponding petition form if relevant.

Accessibility Services

The University of Toronto is committed to accessibility. If you require additional academic accommodations, please contact Accessibility Services as soon as possible (studentlife.utoronto.ca/as).

Other Resources

If you are having difficulties succeeding in this course due to academic, personal, or financial circumstances, you can find some very helpful people at your college registrar (artsci.utoronto.ca).

Academic Integrity

Academic integrity is fundamental to learning and scholarship at the University of Toronto. Participating honestly, respectfully, responsibly, and fairly in this academic community ensures that the U of T degree that you earn will be valued as a true indication of your individual academic achievement, and will continue to receive the respect and recognition it deserves.
Familiarize yourself with the University of Toronto's Code of Behaviour on Academic Matters:

governingcouncil.utoronto.ca/policies/behaveac.htm

It is the rule book for academic behaviour at the U of T, and you are expected to know the rules. A simplified version is available here:

What is academic misconduct?

The University of Toronto treats cases of academic misconduct very seriously. All suspected cases of academic dishonesty will be investigated following the procedures outlined in the Code. The consequences for academic misconduct can be severe, including a failure in the course and a notation on your transcript. If you have any questions about what is or is not permitted in this course, please do not hesitate to contact your instructor. If you are experiencing personal challenges that are having an impact on your academic work, please speak to your instructor or seek the advice of your college registrar.