

University of Toronto Scarborough
COURSE INFORMATION
MATA37 – Calculus II for Mathematical Sciences

Course homepage:

<http://www.math.toronto.edu/lgoldmak/>

Click on link to **Teaching**, then on the link to MATA37 under ‘Currently Teaching’.

Instructor: Leo Goldmakher

Office: IC 346

Phone: (416) 208-5110

email: leo.goldmakher@utoronto.ca (*I will only reply to emails on Mondays, Tuesdays, and Thursdays.*)

Office hours: Mondays 15:00–17:00, Tuesdays 11:00–12:00 & Thursdays 11:00 – 12:00.

Lectures: Tuesdays 14:00–16:00 & Thursdays 14:00–15:00 in SY 110

Textbook: M. Spivak, *Calculus*, 4th edition, Publish or Perish, 2008. It is important you have the correct edition of the book, since assignments will correspond to the 4th edition.

Syllabus: We will largely follow Spivak, covering differentiation, integration, and Taylor series. Time permitting, we will also explore some special topics, e.g. the irrationality of π . Throughout the course we will go beyond the surface technique and explore the mathematical underpinnings of the subject. In particular, one of the goals of the course is to get you thinking creatively and out of the box.

Marking scheme:

Your mark will be calculated based on several components:

1. Weekly quizzes – 50% in total

These will take place during your tutorial. You will have the first 20 minutes of tutorial to ask questions; then you will take the quiz; then you will have the rest of tutorial to discuss the quiz and any other problems from the assignment. *It is your individual responsibility to ask the TA to cover any questions from the assignment.*

Your lowest quiz score will be dropped before calculating the contribution to your final mark. Please note that numerical answers alone will never be given any credit, whether or not they are correct; you *must* show work to receive credit. Further note that the marking scheme for the quizzes is determined by your TA. This means that if you have questions about how your quiz was marked, you need to discuss it *with your TA, rather than with me.*

2. Assignments – 0%

A list of problems (mostly from the textbook) will be posted on the website every Sunday. These will not be collected. However, your TA will select two of these problems at random for your weekly quiz. You will have at least one week from the date the assignment is posted until your quiz.

3. Two midterm exams – 15% each

4. Final exam – 20%

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TUTORIALS

Tutorials will begin during Week 2 of the semester. The TAs are only responsible for marking the quizzes and exams of those students officially enrolled in their tutorial. Quizzes cannot be taken except during your own tutorial. However, you may attend the office hours of *any* TA.

GROUP DISCUSSIONS AND PROBLEM SESSIONS

On Mondays from 14:00–18:00, IC 328 will be available for students to gather and discuss any topics from the course. The first hour of these discussion sessions (i.e. 14:00–15:00) will be led by Zohreh Shahbazi.

COMPUTER POLICY

Computers and phones may not be used at any time in the lecture hall, as this is distracting for you and for your fellow students. If you have something you need to do urgently on your computer or phone, take it outside and do it there – I will not be offended.

CALCULATOR POLICY

You are allowed to use calculators on assignments. However, calculators will **not** be allowed on quizzes and exams, so you should be careful to not become too dependent on them during the course of the semester.

THE INTERNET

Although the internet is a great resource, I urge you to use it cautiously. **In particular, I request that you do not search for the problems appearing on the assignments.**

MISSED MIDTERM EXAM:

Students who miss one of the midterm exams for reasons entirely beyond their control may, within one week of the missed test, submit to the instructor a written request for special consideration explaining the reason for missing the test, and attaching appropriate certification, such as medical certificate or a College Registrar's note. A student whose explanation is accepted will have their final exam weighted 30% and their other midterm 20% of the overall course mark.

The academic regulations of the University are outlined in the Code of Behavior on Academic Matters which can be found at

<http://www.governingcouncil.utoronto.ca/policies/behaveac.htm>