Instructors

Section	*Name*	*E-mail*	*Office*	*Office Hours*
Lec 01	Louis-Philippe Thibault	`lp.thibault@mail.utoronto.ca`	HU1026	W 14, F 13
Lec 02	Paul Milgram	`milgram@mie.utoronto.ca`	RS319	Tu 14, Th 14
Lec 3, 8	Bernardo Sousa **(coord)**	`beni@math.toronto.edu`	The Pit	Tu 15, F 12
Lec 04	Diana Ojeda	`dojeda@math.utoronto.ca`	BA6204	M 15, W 15
Lec 05	Shai Cohen	`cohen@math.toronto.edu`	The Pit	Th 12, 15
Lec 06	Chris Dodd	`cdodd@math.toronto.edu`	BA6107	F 13, 15
Lec 07	Yevgeny Liokumovich	`liokumovich@math.toronto.edu`	HU1028	W 14, 15

Course Description

Topics include: techniques of integration, introduction to second order differential equations, sequences and series, vector-valued functions, functions of several variables, partial differentiation and applications to mechanics and other engineering problems.

Textbook. *Calculus for Scientists and Engineers: Early Transcendentals*[1], 1st Edition, by Briggs, Cochran & Gillett, ISBN 9780321837721.

Online Textbook. Instead of obtaining the physical textbook, you can opt to obtain the online textbook with mathlab, which is cheaper than the (new) textbook and includes interactive material:

MathLab Online Textbook

It is also available through CourseSmart (without interactive material, but it has an app for tablets):

CourseSmart Online Textbook

Course Website. The website for the course is

http://uoft.me/mat187

The blackboard (https://portal.utoronto.ca/) will be used for distributing grades.
Handouts and other important information will be posted on the website and on piazza, so you should check it regularly.

[1] Same as for MAT186.

Discussion Board

This term we will be using Piazza for class discussion. The system is highly catered to getting you help fast and efficiently from classmates, the TA, and the instructors. Rather than emailing questions to the teaching staff, we encourage you to post your questions on Piazza. If you have any problems or feedback for the developers, email `team@piazza.com`.
Find the class page at: https://piazza.com/class/i358w8q5xmt173

Homework Assignments

There will be **SIX Homework** assignments posted on WeBWorK, which you must submit by the due date.
These assignments will be given throughout the course which will cover the recent material discussed in lectures. These are designed to assist students in understanding the course material. They also serve as good practice for term tests, and the final exam, as questions on these will be approximately the same level as questions on the assignments.
You are expected to work on the questions assigned, and if you cannot solve a problem, you should ask your TA and/or an instructor for help.
Your Homework mark will be determined by the taking the average of the best FIVE assignments.

Term Tests

See the course schedule below for dates, times, and location for each term test. More details about the term test will be given later. You **must** bring your student card. **No aids will be allowed.**

Missing a Term Test. If you cannot show up for a test because of illness or any other special reason, you MUST contact the First Year Common Engineering Office before the time of the test or within 1 week. You MUST also submit the official UofT medical certificate, which can be downloaded from the course website.
There will be NO make-up tests. The marking scheme will be adjusted properly for students who have missed the test because of illness or any other (approved) legitimate reason.

Final Exam

The final exam will take place during the examination period in April, and will be 2h30m long. It will cover all the material presented in lectures and tutorials. No aids will be allowed.

Marking Scheme

Your final grade is determined in the following way:

Homework (WeBWorK – Best 5)	10 %
Term Tests	50 %
Final exam	40 %
	100 %

Class Expectations

One of our main concerns is to provide you with good conditions for optimal study. Because of this reason:

- We expect you to come to class on time. If you happen to be late, please take a seat without disturbing your colleagues.
- We expect you to be attentive and ask questions about concepts and problems you don't understand.
- This is a large class: chatting with your classmates during lecture is extremely disturbing for everybody in the class; although you don't realize it, it gets very loud. If you do disturb the class repeatedly, you will be asked to leave the class and come back when you think you can sit there quietly. Once the class starts, we expect you to interrupt any personal conversation.
- **Use of cell phones, laptops, iPods, and other electronic devices is not allowed.** Once the class begins, you are expected to turn off any electronic device. Just pretend it's a long take-off, or landing.

Code of Behaviour / Plagiarism

Students should become familiar with and are expected to adhere to the Code of Behaviour on Academic Matters which can be found at:

`http://www.governingcouncil.utoronto.ca/policies/behaveac.htm`

Course Outline

The following is a rough outline of the material which will be covered.

Week	Dates	Sections	Notes
1	Jan 5–9	Review (6.2–6.7), 6.9	Classes begin. No tutorials this week
2	Jan 12–16	6.10–7.4	**Homework Assignment #1** due on Jan 15 Tutorials begin this week
3	Jan 19–23	7.5–7.7	
4	Jan 26–30	7.8, 8.1, 8.3	**Homework Assignment #2** due on Jan 29
5	Feb 2–6	8.5, 9.1–9.3	**Term Test #1** (12-2pm on Feb 3)
6	Feb 9–13	9.4–9.6	**Homework Assignment #3** due on Feb 12
	Feb 16–20		No classes (Reading week)
7	Feb 23–27	10.1–10.2	
8	Mar 2–6	10.3–10.4	**Homework Assignment #4** due on Mar 5
9	Mar 9–13	11.1–11.3	**Term Test #2** (12-2pm on Mar 10)
10	Mar 16–20	12.6–12.7	**Homework Assignment #5** due on Mar 19
11	Mar 23-27	12.8–12.9	
12	Mar 30–Apr 3	12.9, 16.1	**Homework Assignment #6** due on Apr 2
13	Apr 6–10	16.2–16.4	

Note. Chapter 16 is available on the online version of the textbook and on the course website.