

# MATH 1007 I — Elementary Calculus

Winter 2018, Carleton University

**Professor:** Charles Starling  
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**Office Hours:** TBD

Before I set my office hours, I want to take your schedule into account. Send me your course schedule no later than **Sunday, January 14** to have it taken into account.

I will be making all important course announcements on CU Learn and will be posting test/tutorial solutions there. In this course, you are expected to check it and your Carleton email address regularly.

**Prerequisite:** Ontario Grade 12 Mathematics: Advanced Functions; or MATH 0005 and MATH 0006; or equivalent.

**Lectures:** Tuesdays and Thursdays from 14:35 – 15:55 in the Steacie Building, 103.

**Tutorial:** Tuesdays from 16:35 – 17:25. The rooms have yet to be determined and will be announced on CULearn when they are finalized. Tutorials start on January 16th. You are required to attend the tutorials as you will work in groups of 3-4 students on problems handed out to you. This work will be handed in at the end of the tutorial for grading.

**Text:** *University Calculus: Early Transcendentals* (3rd Edition) by Hass, Weir, and Thomas.

**Approximate course content:** In the course, we will study limits, differentiation, applications of differentiation and integration. We will cover material in the following sections in the text: 1.1-1.3, 1.5, 1.6, 2.1, 2.2, 2.4-2.6, 3.1-3.9, 3.11, 4.1-4.5, 4.8, 5.1-5.4, 5.6, with certain topics omitted or abbreviated. The order of presentation of material in class may not always be the same as in the textbook.

**Evaluation:** Your grade will be determined by the following scheme:

- Final Exam — 50%. This will be held in the exam period (April 14th – 26th).
- Tests — 40%. There will be four 50 minute tests in the tutorial periods on **January 30th, February 13th, March 6th** and **March 27th** worth a total of 40%. If a minimum score of 25% is achieved on all four tests, then only the best three of the four will count towards the final grade. Any missed tests will carry a mark of zero unless a doctor's note or other document is presented within one week. There will be no make-up, early or delayed tests. Students must bring their ID cards to the tests and place them on their desks.
- Tutorial Work — 10%

**IMPORTANT NOTE:** The above grading scheme will apply only if the term grade (tests and tutorials) is at least 20/50. A term grade of less than 20/50 will result in an **automatic failure** regardless of the final exam result.

**No calculators will be permitted (or needed) on any test.**

**Math Tutorial Centre (MTC):** The Math Tutorial Centre is a service run by the School of Mathematics and Statistics to help students in first year math courses. TAs at the centre will help you with your homework (though be warned, when it's busy they have a time limit they can spend per student). It is located in **Room 3422 Herzberg Laboratories**, and its hours of operation can be found on its website:

<https://carleton.ca/math/math-tutorial-centre/>

**Mathematics and Statistics Learning Assistance Program (MS-LAP):** MS-LAP supports first year mathematics and statistics courses. This free of charge program helps students in achieving their goals. It provides learning support and solutions to homework questions through assistance videos. These services are available on cuLearn.

MS-LAP gives students tools to succeed while explaining step-by-step particular problem strategies and associated theory. The program is for anyone who wants to deepen their understanding at their own pace, and in the comfort and privacy of their home.

If you have any questions about MS-LAP, please contact Kyle Harvey at [kyle.harvey@carleton.ca](mailto:kyle.harvey@carleton.ca).

**Academic Accommodation:** Students with disabilities requiring academic accommodations in this course must register with the Paul Menton Centre for Students with Disabilities (PMC) for a formal evaluation of disability-related needs. Students must confirm their need for accommodation with the Instructor no later than one week before the first quiz. If students require special arrangements to meet their academic obligations, please review the course outline and write 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.

**Pregnancy or Religious Obligation:** Please email me 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. For more details, see the Student Guide.

**Notes:**

- You are expected to attend all classes and tutorials. I will be scanning the notes that I lecture from and I will be putting them on CU Learn. However, they are not a complete record of everything I say in class. I tend to drop a lot of hints about tests during the lectures.
- Students who miss the final exam may be eligible for a deferral. Application for a deferral must be made, with appropriate documentation, to the Registrar's Office within five business days of the examination.