

MATH 0005A – Precalculus: Functions and Graphs – Fall 2026
School of Mathematics and Statistics, Carleton University

Instructor: Prof. Lucy Campbell

Office: 4269 Herzberg Building

Office hours: Virtual in **Brightspace**, and in-person in-office, time to be decided.

E-mail: campbell@math.carleton.ca

Course information: <https://people.math.carleton.ca/~campbell/MATH0005/> and in **Brightspace**

Email communication with instructor: Please only contact me through your Carleton email account or through Brightspace. Email from any other account runs the risk of being summarily deleted as spam.

Lectures: Tues/Thurs, 10:00 - 11:30 AM, starting Sept 10, in **Southam Hall 517**.

Tutorials: Thurs, 11:30 AM - 12:30 PM, starting Sept 24.

Prerequisites:

Grade 11 Functions (University/College Preparation) or Grade 11 Functions and Relations (University Preparation), or equivalent.

Note that this course is not available for degree credit for students who have successfully completed Grade 12 Mathematics - Advanced Functions, or an equivalent High School functions course.

Textbook (required): Basic Technical Mathematics, by Allyn J. Washington, 12th Edition, available as an e-book through the bookstore.

Topics:

Review of algebraic manipulations. Polynomials: the remainder theorem, and the factor theorem; graphing. Real and Complex roots. Absolute values. Inequalities. Functions, including composition of functions, and Inverse functions. Logarithmic and exponential functions.

Grading scheme:

Four 50-minutes written tests during the tutorial time in the tutorial classroom.

A 3-hour final examination scheduled during the exam period in December.

The final grade will be calculated as:

45 % — The best three out of the four tests

55 % — Final exam

Exam information:

One test may be skipped without penalty. 3 of the 4 tests will be counted. There will be no make-up, early or delayed tests.

Any additional missed test will be counted as zero (except for medical and other extenuating circumstances as specified by the university; see the section on Academic Consideration Policy).

Non-graphic, non-programmable calculators are permitted on the tests and the final examination.

Homework: Selected exercises from the text will be posted in Brightspace. These must be done for practice, not to be handed in. In order to succeed in the course you **must** do the homework on a regular basis and attend tutorials regularly.

Fall Break (Reading Week): There will be no classes from October 26-30.

Statement on Chat GPT/Generative AI usage: Not permitted in this course.

Statement on Academic Integrity:

Students are expected to uphold the values of academic integrity, which include fairness, honesty, trust, and responsibility. Examples of actions that compromise these values include but are not limited to plagiarism, accessing unauthorized sites for quizzes or tests, unauthorized collaboration on quizzes or exams, and using artificial intelligence tools such as ChatGPT which are not permitted in this course. <https://carleton.ca/registrar/academic-integrity/>

Academic Accommodation Requests:

Carleton is committed to providing academic accessibility for all individuals. You may need special arrangements to meet your academic obligations during the term. The accommodation request processes, including information about the Academic Consideration Policy for Students in Medical and Other Extenuating Circumstances, are outlined on the Academic Accommodations website: <https://students.carleton.ca/course-outline/>

The Paul Menton Centre (PMC) (<https://carleton.ca/pmc/>) coordinates disability services on campus working in partnership with the Carleton community to increase accessibility and integration of students with disabilities into all aspects of university life. To submit academic accommodation requests, use the Ventus Student Portal or contact the PMC by email at pmc@carleton.ca or by phone at 613-520-6608.

Academic Consideration Policy for Medical or Other Extenuating Circumstances:

Due to medical or other extenuating circumstances, students may occasionally be unable to fulfil the academic requirements of their course(s) in a timely manner. Extenuating circumstances include bereavement, short-term incapacitation, psychological circumstances, family or personal crisis: <https://carleton.ca/registrar/academic-consideration-coursework/>

The University supports the academic development of students and aims to provide a fair environment for students to succeed academically. Under this policy, responses to requests for academic consideration due to extenuating circumstances are grounded in the principle of good faith, which means that we assume that student circumstances and documented requests are legitimate unless there is strong evidence to the contrary. The policy also recognizes that while good faith efforts shall be made to provide academic consideration, not all requests for consideration are necessarily reasonable or can be feasibly accommodated while maintaining learning outcomes for the course. The use of this policy to provide false or misleading information constitutes academic misconduct. Any students found engaging in such practice will be subjected to the University's Academic Integrity procedures.