

MATH 0005, Precalculus, Functions and Graphs

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1 Textbook

- Basic Technical Mathematics, Eleventh Edition, by Allyn J. Washington, Pearson Prentice Hall

2 Sections to be covered from the textbook

1.1, 1.2, 1.4, 1.6-1.10, 3.1-3.4, 5.1, 5.2, 5.3, 6.1-6.7, 7.1, 7.3, 11.1-11.5, 12.1, 12.2, 13.1-13.3, 13.5, 13.6, 15.1-15.3, 17.1-17.4.

Please note that topics may be added or dropped based on the progression of the class:

3 Prerequisite and Preclusion

Grade 11 Functions (University/College Preparation), or equivalent. Students who do not have the stated prerequisite may be automatically deregistered during the term.

Note: This course is not available for degree credit for students who have successfully completed: Grade 12 Advanced Functions or equivalent.

4 Evaluation Scheme

- Online assignments:20% (4 assignments each 5%)
- Online tests: 30% (3 tests each 10%)
- Online Tutorial sessions containing weekly quizzes:20% (10 tutorial sessions each 2%)
- Online final exam: 30%

Assignments: There will be 4 assignments ought to be submitted in a provided folder. Assignments are due Sep 28, Oct 19, Nov 9, Nov 30, at 23:59.

Tests: There will be three 60-minute online tests happening on Wednesdays Sep 30, Nov 4 and Dec 2 at 16:05

Final exam: There will be a 3-hour online final exam scheduled during the usual exam period. It is the responsibility of each student to be available at the time of the final examination.

5 Lectures, tutorials, and office hours

- Lectures: Lectures are scheduled to be on Mondays and Wednesdays 16:05-17:25. But all the lectures will be pre-recorded and available from 7 am till 23:59 each day. However, on Mondays at the time of the lecture there will be a live problem solving session.
- Tutorials: There will be live tutorial sessions on Wednesdays 17:35 - 18:25. They would also be problem solving sessions running by your TA . At the end of each session you will have your weekly quizzes that are assumed to be done in groups.
- Office hours: TBA

6 Important Days

Important Days: First day of class: Sep 9; Last day of class before Fall break: Oct 21; First day of class after break: Nov 2; Last day of class: Dec 11; Final Exam: Dec 12-23.

For more information check <https://calendar.carleton.ca/academicyear/>

7 Important Notes

- If you miss any term test you will receive a zero unless you provide me with a proper documented reason (e.g., medical), in which case the weight of the test will be shifted to the final exam.
- Selected exercises, mainly from the text, will be assigned for your practice. These exercises are not to be handed in and will not be graded. However, to succeed in the course it is absolutely essential that you do the exercises on a regular basis.
- Students who miss the final exam may be eligible for a deferred exam. Application for a deferral exam must be made, with appropriate documentation, to the Registrar's Office in appropriate time frame.

8 Academic Accommodations

You may need special arrangements to meet your academic obligations during the term. For an accommodation request the processes are as follows:

Pregnancy obligation

write to 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. For more details see the [Student Guide](#).

Religious obligation

write to 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. For more details see the [Student Guide](#)

Academic Accommodations for Students with Disabilities:

The Paul Menton Centre for Students with Disabilities (PMC) provides services to students with Learning Disabilities (LD), psychiatric/mental health disabilities, Attention Deficit Hyperactivity Disorder (ADHD), Autism Spectrum Disorders (ASD), chronic medical conditions, and impairments in mobility, hearing, and vision. If you have a disability requiring academic accommodations in this course, please contact PMC at 613-520-6608 or pmc@carleton.ca for a formal evaluation. If you are already registered with the PMC, contact your PMC coordinator to send me your Letter of Accommodation at the beginning of the term, and no later than two weeks before the first in-class scheduled test/exam requiring accommodation. After requesting accommodation from PMC, meet with me to ensure accommodation arrangements are made. Please consult the [PMC website](#) for the deadline to request accommodations for the formally-scheduled exams.

- The above class outline is subject to change depending on the progress of the course.
- All the times given are in eastern time