

# UBC Math 100

2025 WT2

## ACKNOWLEDGEMENT

UBC's Point Grey Campus is located on the traditional, ancestral, and unceded territory of the  $x^w m\theta k^w \acute{y}\acute{e}m$  (Musqueam). The land it is situated on has always been a place of learning for the Musqueam people, who for millennia have passed on culture, history, and traditions from one generation to the next.

If you would like to know more about the joint history of UBC and Musqueam, one place to start is at UBC's Indigenous portal.

## COURSE INFORMATION

Course Title	Course Code Number	Credit Value
Differential Calculus with Applications	MATH 100	3

Your large-class instructor is Adam Martens (personal page). You will also have a small-class instructor (see Canvas for more information).

## CONTACTS

**Do not email your instructor directly with mathematics questions.** You are encouraged to attend office hours, and ask questions during lectures and especially during small classes. For questions about mathematics and homework, use the Piazza forum. The Math Learning Centre is also available for additional homework help.

For questions and issues regarding personal or administrative matters, use the Calculus Contact Form. This form can be found on your class Canvas site, it's also here:

<https://secure.math.ubc.ca/php/MathNet/Calculus-Form/>.

For office hours, please see Canvas → Help → Calculus Common Room (Office hours).

## COURSE STRUCTURE

Most weeks, you will attend one 2-hour lecture taught by Adam Martens, and one 1-hour small class taught by a small class instructor and TA. There will be group work in small classes so attendance is mandatory, and will be taken.

## LEARNING MATERIALS

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Our course materials are linked to UBC's learning management system, Canvas.

This course uses the UBC MATH 100 textbook. This is a free online textbook created by UBC professors for UBC students; there are no physical copies available but the PDF file is easily printable (given the link, copy shops will print and bind). There may be some reference to the CLP-1, OIL, or Differential Calculus for the Life Sciences textbooks; also free and available online.

## ASSESSMENTS OF LEARNING

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### GRADE CALCULATION

Your provisional course grade will be calculated as follows:

**5%** WeBWorK assignments

**5%** Engagement

**20%** Quizzes

**20%** Midterm tests

**50%** Final exam

We reserve the right to scale test grades. All failing grades are double-checked before they are submitted.

### WeBWorK ASSIGNMENTS

There are 13 scored WeBWorK assignments, of these only your 11 best scoring WeBWorK assignments will be considered when calculating your provisional grade. This is intended to account for technical difficulties, illness, and other personal situations, that may prevent you from completing WeBWorK assignments.

WeBWork questions come in a number of different formats, and some questions will require you to type out an exact answer in order for the question to be correct. These answers are not always numbers, so making a typo could cost you marks. It is suggested that you click the PREVIEW ANSWERS button before you submit your work. If you have questions about formatting while you are doing your assignments or practicing, ask them on Piazza.

If you would like to get more familiar with WeBWorK, it is also encouraged that you complete the **optional** "WeBWorK Tutorial" quiz. **The "WeBWorK Tutorial" is not scored, and does not contribute to your course grade.**

If you would like to get some Precalculus practice, it is encouraged that you do some Pre-Calculus WeBWorK lessons in the Precalculus Review course that you can find in Canvas courses. **These lessons are not scored, and do not contribute to your course grade.**

## QUIZZES

There are 5 in-class quizzes in MATH 100, each worth 5% of your grade. To account for illness/personal emergencies, your lowest quiz score will be dropped. In particular, you can miss one quiz completely without consequence.

## TESTS

There are two in-term tests in MATH 100, each worth 10% of your grade. They are to be written using the CBTF. Information required to sit the in-term tests will be published on the Canvas “Tests” page.

## ENGAGEMENT

Engagement is worth 5% of your final grade.

**Small classes:** Engagement means not only attendance, but active participation: asking and answering questions, contributing in team problem solving, and refraining from unrelated activities (e.g. checking your phone). Small class time is not the time for you to work on WeBWorK or the group projects. You may skip one small class without penalty. This is intended to account for illness and other personal situations.

**Diagnostic test:** This is a test written on WeBWorK to ensure you can access the necessary resources and navigate the WeBWorK assignments. You will lose 1 engagement point if you do not submit an answer for every question on the diagnostic test.

You are required to complete a WeBWorK Diagnostic Test to check in on your precalculus skills. By answering as true to your current ability as possible, without any external aids, you will gain useful information about what precalculus skills you may need to brush up on in order to succeed in this course. **This test is not for marks** and does not count as one of your 11 WeBWorK assignments; you will not be penalized for incorrect answers, nor rewarded for correct ones. However, **completion of the Diagnostic test contributes to your course engagement**; you will lose 1 engagement point if you do not submit an answer to all questions.

## FINAL EXAM

The final exam is an evaluative assessment of your understanding of the course material, information relating to the exam will be published on Canvas. The date and time of the exam will be published on Workday later in the semester; please do not make travel arrangements prior to its announcement.

Final exams are not returned, but if you would like to view yours, you need to fill out the exam viewing form and follow the instructions provided.

## UNIVERSITY POLICIES

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“UBC provides resources to support student learning and to maintain healthy lifestyles but recognizes that sometimes crises arise and so there are additional resources to access including those for survivors of sexual violence. UBC values respect for the person and ideas of all members of the academic community. Harassment and discrimination are not tolerated nor is suppression of academic freedom. UBC provides appropriate accommodation for students with disabilities and for religious, spiritual and cultural observances. UBC values academic honesty and students are expected to acknowledge the ideas generated by others and to uphold the highest academic standards in all of their actions. Details of the policies and how to access support are available [here](#).”

Classes may be cancelled under extreme weather (most commonly heavy snowfall), cancellation will always be announced on Canvas in accordance with weather advisory posted by UBC. You can check official campus notifications [here](#).

## MATH 100 ACADEMIC POLICIES

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This is a long-winded and exhaustive description of the academic policies governing this course. It complements the usual academic policies governing all courses at UBC listed under “University Policies”.

### GENERATIVE AI & OTHER TOOLS

Learning to think critically is an important goal of this course. As such, you are expected to come up with your own ideas, alone or working with other students, without looking up answers online. The use of generative AI tools, including ChatGPT and other similar tools, to complete or support the completion of any assignment in this course is not allowed, and would be considered academic misconduct. The use of computing tools such as WolframAlpha or integral calculators to help complete your assignments is also not allowed, except where explicitly stated and/or linked to in a question. When we say you may use a calculator, we mean a scientific calculator – something that can compute e.g. logarithms and sines, but not draw graphs. Choosing to supplement your own learning by the use of tools *after* you have completed a question is fine.

### LATE SUBMISSIONS, MISSED ASSESSMENTS & MISSED CLASSES

**WeBWork assignments** will not be accepted after the submission deadline. Only the highest scoring 11 of the 13 WeBWork assignments are considered in the calculation of your final grade. This policy is intended to ease administrative burden and will be used to account for the first two instances where illness, injury or personal circumstances prevent you from completing WeBWork assignments.

**Tests** are written in the CBTF over a multiple-day period. If you are unwell on the day of your test, you should reschedule. If you are unable to reschedule, or if you are sick for the entire period, you should file a calculus contact form along with any supporting documentation. In this event, your test grade will be shifted to your other midterm test.

The **final exam** for this course is a major assessment, no-one in the Math department (instructors, staff, TA's, the department head) can grant concession for this assessment. If you are unwell or other personal circumstances create a substantial and unavoidable obstacle in writing the final exam, do not start writing it, instead contact your faculty's advising office as soon as possible. The process for obtaining a concession on the final exam differs by faculty (Science, Arts, APSC, etc.), though it is typically more rigorous than obtaining an in-term concession; be prepared to provide documents (e.g. a medical certificate) supporting your request.

If you are absent from a **large class** you do not have to inform anyone of your absence. It is expected that you will be responsible for your own learning and catch up on the material missed in your own time; helpful resources such as lecture notes (or for some sections, recordings) are posted on Canvas.

**Small classes** are where you earn your engagement points. **You do not need to inform anyone of your first small class absence:** All students can be absent from one small class without consequence, this small class, despite not appearing as 'excused' in the Canvas Gradebook, will not affect your engagement score for this class. The policy of forgiving one absence is intended to ease administrative burden and will be used to account for the first instance of illness, injury or other personal circumstance that prevents you from attending class.

If you are absent from additional small classes please complete the calculus contact form, briefly describing which small class you missed and why you were absent; in most cases of illness/injury supporting documentation is not required. Again it is expected you will be responsible for your own learning and catch up on missed material in your own time.

## CONCESSIONS

Requests for in-term concessions are to be directed to the Calculus Contact Form and will be treated in accordance with the UBC senate rulings for academic concession. Grounds for academic concession may exist when a student's personal circumstance unexpectedly or unavoidably hinders or prevents them from fulfilling the requirements of a course in a timely manner.

Concessions for missed assessments are considered and offered on a case-by-case basis, no two students will undertake the academic load of this course in the same way, and as such require different consideration; a friend or fellow class member receiving concession for an assessment does not guarantee the same or any concession will be offered to you.

Concessions cannot be offered to students where grounds for concession depend upon long-term conditions (chronic injuries, illnesses, mental health conditions, etc.) without endorsement from the student's administering faculty or the Centre for Accessibility (CfA).

Requests for concession must be delivered in a reasonable time, unreasonably late requests will be deferred to a student's administering faculty.

Falling ill on the day of an assignment deadline (excluding tests) or experiencing technical issues generally does not qualify for concession or waiving of any late penalties; this is something students should plan around and take precautions against.

**WeBWork assignments** are available for a week each, are completed online, and can be completed from anywhere. The high accessibility of WeBWork assignments generally preclude them from concession however, requests are considered on a case-by-case basis. The standard concession offered to students who qualify is to replace the score of the missed WeBWork assignment with the average of the student's remaining scored WeBWork assignments.

**Quizzes** are minor assessments in this course. Your lowest quiz score is dropped when calculating your final grade to account for the possibility of illness. If an illness or other valid personal reasons result in your missing more than 1 quiz, you should file a calculus contact form.

**Tests** are major assessments in this course, each worth 10% of your final grade. They are also available to be taken over several days. For these reasons, missing a midterm exam will typically result in a grade of 0. Concessions may be granted for extenuating medical emergencies, compassion grounds, or travel for varsity teams. Work schedules, busy class schedules, etc, are not sufficient grounds for missing a midterm.

The **final exam** is not an in-term assessment. As described in LATE SUBMISSIONS & MISSED ASSESSMENTS instructors and staff in the Math department cannot offer concession on the Final Exam; you will be directed to request concession from your administering faculty. Obtaining a Standing Deferred (SD) status in MATH 100 is the only concession available for the Final Exam, and may only be granted by the advising office of your administering faculty, read more about standing deferred status [here](#)

## REGRADE REQUESTS

Unless announced otherwise regrade requests should be submitted via the Calculus Contact Form.

Regrade requests for **WeBWork assignments** will not be accepted. If an error exists in a WeBWork question you should check Piazza for a post that describes the error, or if no post exists you should create one describing the error.

The process for requesting a regrade of **tests** will be described on the “tests” page on Canvas, and announced upon release of in-term test grades.

Requesting a regrade of the **final exam** is a formal process requested via enrolment services, known as a review of assigned standing (more information [here](#)). It is recommended that you request a viewing of your final exam prior to requesting a review of assigned standing.