



MATH 152: Calculus II

SEMESTER: Spring 2023

INSTRUCTOR: Cory Ahn

EMAIL: ahnc@learning.fraseric.ca (write in the **subject** line: **MATH152, section number, and your FIC ID**)

OFFICE HOURS:

Office hours are via Zoom by appointment. Email me with the date and time that you would like to meet. I will then get back to you with a Zoom link.

PREREQUISITES

Math 151 with at least C- or Math 157 with at least B, or equivalent.

OBJECTIVES/COURSE OVERVIEW

This is a second course in Calculus. Topics covered include: Riemann sum, Fundamental Theorem of Calculus, definite, indefinite and improper integrals, approximate integration, integration techniques, applications of integration. First-order separable differential equations. Sequences and series, series tests, power series, convergence and applications of power series.

REQUIRED TEXT

Calculus: Early Transcendentals (9th edition), James Stewart (Brooks Cole) — (same as Math 151 — WebAssign is **NOT** required for this course. Please purchase the ebook **without** the WebAssign option)

Physical book version: ISBN-10: 1337624187 ISBN-13: 978-1337624183

(OR the e-book version — purchase the version WITHOUT WebAssign)

****In addition, there is an accompanying lecture book that you must download from the near the top of the Moodle course page (pdf titled “Math 152 Lecture Book”). You will be filling in this lecture book in class. You may print it out and fill in the book by hand, or fill it out directly on a tablet.**

GRADING SCHEME

Preliminary Quiz (Online)	1 %
Quizzes (best 3 of 6)	9 % (each quiz=3%)
Midterm I (in Week 5, 1.5 hours) [Covers topics from Week 1 to Week 4]	20 %
Midterm II (in Week 10, 1.5 hours) [Covers topics from Week 6 to Week 9]	20 %
Final Exam (During final exam period, 3 hours) [Covers topics from Week 1 to Week 13]	50 %

*If the class turns remote during the semester, there will be changes to this grading scheme.



Do not arrange any travel plans for until after the final exam period in case the final exam date has to be rescheduled due to unforeseen circumstances.

All of your grades will be posted on the FIC Student Portal (Moodle).

QUIZZES

There will be a **10 to 15-minute** quiz on some weeks (starts 5 minutes after class start time). The quiz questions will be similar to the homework questions and/or example questions covered in previous week's lecture. Your quiz average is based on your best 5 quizzes. In other words, one quiz with the lowest score will be dropped.

FINAL EXAM

Final exam will be held during the final exam period. It covers all the material in the course. The final exam schedule will not be released until later in the semester. Please make sure to check the schedule on your student portal. You must not make any travel plans during the final exam period. **Any student who does not write the final exam will be given a grade of "N", which is equivalent to an "F".**

CLASS PARTICIPATION

Attendance at the first class is mandatory in all subjects at FIC. There will be an Assessment Quiz (Quiz 1) on the first day of class based on concepts you should have learned in the prerequisite course(s). Any student who does not attend the first class will receive a zero on Quiz 1. If a student enrolls into the class after Week 1 he/she will receive a zero on Quiz 1. At FIC, all 13 weeks of instruction are used to their full extent and the first class is always a full four (4) hour lesson.

You may **NOT** attend other sections of this course taught by me unless you have *prior* consent by me with valid reasons (ex. medical illness *with documentation*).

COMMUNICATION

You can contact me by email with any questions about the course. You can expect to get a reply within 48 business hours. Alternatively, you can attend my office hours or see me after class to get extra help with the course.

MAKE-UP EXAMS/QUIZZES/MIDTERMS

FIC does **not** offer any make-up opportunities for missed final exams. Please be sure to check your exam schedule very carefully. If you miss an exam for any reason, please see an advisor immediately. If you have documented reasons for exam accommodations, please see an advisor immediately.

In addition, there are **NO** make-up quizzes or midterms. **A student who misses a quiz will receive a 0 on the quiz, regardless of the reason for missing the quiz.** A student who misses a midterm will receive a grade of 0 for that midterm/quiz. Exceptions may be granted only in **instructor-approved** extenuating circumstances with official documentation. In such cases, the weight of the missed midterm may be transferred to the final exam, at the instructor's discretion.



GRADE DISTRIBUTION

Letter grades are assigned on the basis of the overall course mark as determined by the weighted average of the quizzes, homework, midterms, and the final exam, and in keeping with SFU's grading system and policies.

Here is a guideline for the letter grade boundaries (subject to change):

A+	95 - 100	Excellent performance
A	90 - 94	
A-	85 - 89	
B+	80 - 84	Good performance
B	75 - 79	
B-	70 - 74	
C+	65 - 69	Satisfactory Performance
C	60 - 64	
C-	55 - 59	Marginal Performance
D	50 - 54	
F	0 - 49	Unsatisfactory Performance

ACADEMIC INTEGRITY POLICY

Academic Integrity refers the values on which good academic work must be founded: honesty, trust, fairness, respect and responsibility. Academic integrity includes a commitment not to engage in or tolerate acts of falsification, misrepresentation or deception. Such acts of dishonesty violate the fundamental ethical principles of the College community and compromise the worth of work completed by others. Students found to have breached the regulations related to any form of academic misconduct including but not limited to plagiarism and cheating will be subject to the following measures:

- **First Offence:** Awarded "0" for the assessment and given a permanent record on their file
- **Second Offence:** Awarded "0" for the course, regardless whether the offence was committed in the same course or another course
- **Third Offence:** Risk expulsion from FIC and the cancellation of Study Permit

It is solely the student's responsibility to be aware of Academic Integrity Policy and consequences of violating it. The policy is available at:

http://85401dc13f6ba5867f46aacfababc729cd49a24606938417f53d.r33.cf6.rackcdn.com/FIC_Academic_Integrity_Policy.pdf

THE INSTRUCTOR RESERVES THE RIGHT TO CHANGE ANY OF THE INFORMATION IN THIS COURSE OUTLINE.