MATH 2007C, Elementary Calculus II

Course Outline for Winter 2022 (preliminary - subject to change)

Instructor:
Dr. Ayse Alaca,
Herzberg-Physics Office #4376
Tel: (613) 520 2600 (Ext. 2133)
aalaca@math.carleton.ca
http://www.math.carleton.ca/~aalaca/

Textbook: *Single Variable Calculus: Early Transcendentals, 9E, by James Stewart, Daniel Clegg, Saleem Watson, CENGAGE*
https://www.cengage.ca/c/single-variable-calculus-early-transcendentals-44-9th-edition-9e-stewart-clegg-watson/9780357022269/
(**10% discount code CengageW22663** to use on checkout at the Cengage.ca site)

Important note: All dates and times in this course outline are in OTTAWA time.

First lecture: Monday, January 10.
Last lecture: Monday, April 11.
First tutorial: Monday, January 24.
Last tutorial: Monday, April 11.

Lectures will be held Synchronously (live) via Zoom through Brightspace. The schedue is as follows:

Day	Time
Monday and Wednesday	11:35 am--12:55 pm

Tutorials (On Mondays 1:35--2:25 pm): Tutorials will be held Synchronously (live) via Zoom through Brightspace.

Instructor's office hour (online): Wednesdays 10:30 --11:30 am

Term tests: There will be five tests held online, for all tutorial sections, during the regular tutorial hours (Mondays 1:35 pm--2:25 pm), on the following dates:
Test 1: January 31
Test 2: February 14
Test 3: March 7
Test 4: March 21
Test 5: April 4
No make up, early, or delayed tests. Instructions for the tests will be posted on Brightspace as they become available.

Final examination: This is a three-hour exam scheduled by the University and will take place sometime during the examination period of **April 14--28.** The University will determine the exact date and time of the examination. It is the responsibility of each student to be available at the time of the examination. Please note that the exam date cannot be changed by the instructor.

Evaluation:
Term work (five tests): 50% (each test 10%)
Final exam: 50%.

To pass the course, you must satisfy the following conditions:
(i) Term mark must be at least 30% (15 points out of 50)
(ii) Final exam mark must be at least 30% (15 points out of 50)
(iii) Final overall grade must be at least 50% (50 points out of 100).

System requirements: Students must have reliable internet access. Students are fully responsible for resolving their own

computer/connection issues and creating proper files for test/examination submissions. Students having technical issues with Brightspace should contact the [ITS service desk](#).

Important Notes:

- Lectures will be online via Zoom during the scheduled class times. Lecture notes will be posted on Brightspace.
- Tests, quizzes and the final examination will be run through Brightspace. Details will be posted on Brightspace as they become available.
- You are responsible for keeping up with information announced in class, posted on the Brightspace course page, or sent to your Carleton e-mail account.
- You are responsible for making sure that your test marks are recorded correctly by visiting Brightspace. The deadline to request any corrections to your term marks is **April 11.**
- According to Carleton University policy under the Freedom of Information of Privacy Act (FIPPA), please use your Carleton account for all course related emails.

MATH 2007 C, WEEKLY LECTURE SCHEDULE, WINTER 2022

LECTURE #	DATES	TESTS	SECTIONS	TOPICS
1 & 2	Jan. 10, 12		4.4, 5.5	Indeterminate forms and L'Hospital's rule. The Substitution Rule.
3 & 4	Jan. 17, 19		7.1, 7.2	Integration by Parts. Trigonometric Integrals.
5 & 6	Jan. 24, 26		7.2 (cont.), 7.3	Trigonometric Substitution.
7 & 8	Jan. 31, Feb. 2	**TEST 1 Jan. 31**	7.4	Integration of Rational Functions by Partial Fractions.
9 & 10	Feb. 7, 9		7.8, 10.1	Improper Integrals. Curves Defined by Parametric Equations.
11 & 12	Feb. 14, 16	**TEST 2 Feb. 14**	10.2	Calculus with Parametric Curves.
	February 21--25	**WINTER**	**BREAK**	**NO CLASSES**
13 & 14	Feb. 28, Mar. 2		10.3, 10.4	Polar Coordinates. Calculus in Polar Coordinates.
15 & 16	Mar. 7, 9	**TEST 3 Mar. 7**	11.1, 11.2	Sequences. Series.
17 & 18	Mar. 14, 16		11.3, 11.4	The Integral Test and Estimates of Sums. The Comparison Tests.
19 & 20	Mar. 21, 23	**TEST 4 Mar. 21**	11.5, 11.6	Alternating Series and Absolute Convergence. The Ratio and Root Tests.
21 & 22	Mar. 28, 30		11.8, 11.9	Power Series. Representation of Functions as Power Series.
23 & 24	Apr.4, 6	**TEST 5 Apr. 4**	11.10	Taylor and Maclaurin Series.
25	Apr. 11		11.10	Taylor and Maclaurin Series (cont.)

The above weekly schedule is subject to change depending on the progress of the course.

Policies:

Academic Integrity: Be sure that you know the academic integrity standards at Carleton which can be found here.

Religious obligations and/or accommodations for pregnancy: 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 Accommodation.

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 scheduled test or exam requiring accommodation (if applicable). For the deadline to request accomodations, and for more details, visit the PMC website.

COVID-19 Protocol: All members of the Carleton community are required to follow COVID-19 prevention measures and all mandatory public health requirements (e.g. wearing a mask, physical distancing, hand hygiene, respiratory and cough etiquette) and mandatory self-screening prior to coming to campus daily.

If you feel ill or exhibit COVID-19 symptoms while on campus or in class, please leave campus immediately, self-isolate, and complete the mandatory symptom reporting tool. For purposes of contact tracing, attendance will be taken in all classes and labs. Participants can check in using posted QR codes through the cuScreen platform where provided. Students who do not have a smartphone will be required to complete a paper process as indicated on the COVID-19 website. All members of the Carleton community are required to follow guidelines regarding safe movement and seating on campus (e.g. directional arrows, designated entrances and exits, designated seats that maintain physical distancing). In order to avoid congestion, allow all previous occupants to fully vacate a classroom before entering. No food or drinks are permitted in any classrooms or labs.

For the most recent information about Carleton's COVID-19 response and required measures, please see the University's COVID-19 webpage and review the Frequently Asked Questions (FAQs) Shoud you have additional questions after reviewing, please contact covidinfo@carleton.ca.

Please note that failure to comply with University policies and mandatory public health requirements, and endangering the safety of others are considered misconduct under the Student Rights and Responsibilities Policy. Failure to comply with Carleton's COVID-19 procedures may lead to supplementary action involving Campus Safety and/or Student Affairs.

Last Modified: January 4, 2022.