MAT 1322 E Calculus II (Winter 2025)

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***please write "**MAT 1322**" in the subject line of all emails to me

Description of the Course Improper integrals. Applications of the integral. Separable differential equations. Euler's method for differential equations. Sequences, series. Taylor's formula and series. Functions of two and three variables. Partial derivatives, the chain rule, directional derivatives, tangent planes and normal lines.

How to Succeed in MAT 1322

Keep up with the Lectures! Attend the lectures and take good notes.

LEC	Wednesday	16:00 – 17:20	70 Laurier (MHN) 033
LEC	Friday	14:30 – 15:50	70 Laurier (MHN) 033

Attend the DGDs! This is your Discussion Group, led by a graduate student TA. Prepare by doing the posted exercises, and use your time well by asking questions! You are registered to **one** of the following DGD sections:

DGD E01	Monday	16:00 – 17:20 pm	MRT 256
DGD E02	Monday	16:00 – 17:20 pm	STE C0136
DGD E03	Tuesday	19:00 – 20:20	LMX 390
DGD E04	Tuesday	19:00 – 20:20	MNT 201

Stay up-to-date with Brightspace! The course webpage is on **Brightspace (Virtual Campus)** of the University of Ottawa. Announcements, lecture notes, grades, and more will be posted there. You will need to check Brightspace regularly.

Stay mathematically fit! Do lots of Exercises! Practice! Do suggested exercises! Work on examples from class to see if you understand how to solve them on your own. Mathematics is not a subject where last-minute memorization is enough to succeed. The more time you spend actually **doing math**, the stronger your results will be.

Use the Textbook! *Calculus: Early Transcendentals, 9th ed* by James Stewart, Daniel Clegg, and Saleem Watson. The 8th Edition is perfectly acceptable as well, and would be less expensive. Typically, students use this textbook for three courses: Calculus I, II, and III.

Use Möbius ! Homework assignments are to be completed online using Möbius. If you do not currently have a Möbius lincense (say, from MAT 1320 in Fall 2024), then you will need to purchase a license for Möbius in order to log in (∼$29).

Ask for Help! Ask for help when you need it (before things become too overwhelming). Talk to your instructor and TA. We are here to help. Don't be afraid to ask questions during lectures and DGDs. Feel free to email questions.

Visit your Professor's Office Hours! Whenever you need concepts clarified or would like to discuss the course, please drop in to my Office Hours: **Tuesdays 13:00 – 15:00.**

Visit the Math Help Centre! In addition to the DGDs, lectures, and professor's office hours, you can get help for MAT 1322 via the Math Help Centre, located in STEM 207. For more details, see https://www2.uottawa.ca/faculty-science/student-life-services/help-centres

Accessibility: The University of Ottawa is committed to ensure that persons with disabilities have equal access to its services and events. If you are in need of accommodation during this course due to a disability, please consult with Access Services as soon as possible: http://sass.uottawa.ca/en/access

Equity, Diversity & Inclusion You are welcome here! In this course, all students are welcome, including all races, colours, cultures, ethnicities, genders, sexualities. This course is a space for respect for each other, including students, teaching assistants, staff, and professors.

Bilingualism You have the right to produce your written work and to answer examination questions in the official language of your choice (English or French), regardless of the course's language of instruction.

Academic Integrity Academic integrity means being responsible for the quality of your work, preparing it honestly, and respecting the intellectual community you are part of as a student. Every member of the University community has the moral obligation to learn and share knowledge with honesty and integrity. For more information, please see
https://www2.uottawa.ca/about-us/provost/academic-integrity

Academic Fraud Academic fraud refers to "an act by a student that may result in false academic evaluation of that student or another student". Plagiarism and all forms of cheating are taken very seriously at the University of Ottawa. Please take the time to see
https://www2.uottawa.ca/about-us/policies-regulations/academic-regulation-i-14-academic-fraud

Copyright The materials you receive for this course are protected by copyright and to be used for this course only. You do not have permission to upload the course materials, including any lecture recordings you may have, to any website. If you require clarification, please consult your professor.

Health and Wellness Are you in need of health and wellness support? For more information on the services and resources available for students please visit
https://www.uottawa.ca/campus-life/health-wellness/getting-help-students

Important Dates for MAT 1322 E

Monday, **January 8**	first LEC
January 13, 14	first DGD
Sunday, **January 19**	Möbius Assignment 1 due
Sunday, **January 26**	Möbius Assignment 2 due
Sunday, **February 2**	Möbius Assignment 3 due
Wednesday, **February 5**	**MIDTERM EXAM 1** (20%)
February 16 –22	Reading Week Break
Sunday, **February 23**	Möbius Assignment 4 due
Sunday, **March 2**	Möbius Assignment 5 due
Sunday, **March 9**	Möbius Assignment 6 due
Wednesday, **March 12**	**MIDTERM EXAM 2** (20%)
Friday, **March 21**	last day to withdraw from a course
Sunday, **March 23**	Möbius Assignment 7 due
Wednesday, **April 2**	last LEC
Sunday, **April 6**	Möbius Assignment 8 due
April 8 – 25	**FINAL EXAM PERIOD**
April 18 – 21	Easter Break

How you will be evaluated

2 Midterms worth 40% : The midterm exams will be **closed-book exams**, written in class on the following two dates:

Midterm 1 worth 20%: Wednesday, February 5, 16:00 – 17:50

Midterm 2 worth 20%: Wednesday, March 12, 16:00 – 17:50

Final Exam worth 50%: There will be a **cumulative closed-book 3-hour Final Exam**, scheduled by the Faculty during the Exam Period (April 8 – 25). Regulations for final examinations at the University of Ottawa can be found here.

Möbius homework worth 10%: There will be online assignments on Möbius, roughly one assignment each week, worth a total of 10% of your final grade. Their purpose is to help you learn the material and receive immediate feedback; they are a supplement to textbook exercises. Late assignments will not be accepted. Details on setting up your Möbius account will be provided in Brightspace.

Additional Course Evaluation Policies:

★ If your mark on the Final Exam is lower than 40%, then you will fail the course (F), regardless of your other marks.

★★ If your mark on the Final Exam is higher than your grade on one or both of the Midterms, then the weight of each such midterm will be transferred to the weight of the final exam (whenever it is to your advantage).

Midterm and Final Exam Policies

Exam procedures: You should bring your student card to exams. Students may not enter after or leave before 20 minutes have passed from the beginning of an exam.

Calculator policy: **NO CALCULATORS** During midterms and the final exam, students are NOT permitted to use calculators, nor any other electronic device. If you are caught with a calculator during a test or exam, then academic fraud allegations may be filed which may result in you obtaining zero on the exam.

Policy for missing a test: If you miss a midterm, or if you perform better on the final exam, then the weight of your missed midterm(s) will be transferred to the weight of the final exam. **There are no make-up midterms**.

Unauthorized items: Cellular phones, electronic devices, calculators or course notes are **not** allowed during midterms and final exams. Phones and devices (including Smartwatches) must be turned off and put away in your bag. Do not keep them in your possession, such as in your pockets. **If caught with such a device or document, academic fraud allegations may be filed which may result in you obtaining a 0 (zero) for the exam.** Therefore, come to your exams with a plan of how to store your device away from your person.