

MATH 1171-Calculus I

Fall 2025

Course Outline and Syllabus

Course Description

Basic properties of the real number system; limits and continuity of functions; derivatives and differentiation formulas; applications of derivatives; anti-derivatives, definite integrals, indefinite integrals; Fundamental Theorem of Calculus; u-substitution. Students who have previous credit in Mathematics 1180 may not take Mathematics 1171 for credit. Students may receive credit for only one of Math 1151, Math 1171, or Math 1210.

Credit Weight: 0.5

Offering: 3-1; 0-0

Faculty Information

Saeed Ghasemi

Office: T3-B

Email: sghasem2@lakeheadu.ca

Office Hours: Mondays and Wednesdays
12:30 PM - 1:30 PM

Class Schedule

Lecture	Mondays and Wednesdays	9:30 AM-11 AM	Online
Lab	Wednesday	8:00 AM-9:00 AM	H109

Lectures: Lectures are online on Zoom. The link will be provided on the course webpage.

Lab Hour: No new material will be covered in the lab. The lab will reinforce concepts through examples, as well as provide students with the opportunity to ask questions about the content given in class or assignment problems.

Course Summary: This course covers a multitude of topics in Calculus I. Areas of study include functions; trigonometric; exponential and logarithmic functions; limits; continuity; differentiation; applications of derivatives; indefinite integrals; definite integrals; applications of definite integrals.

Course Resources

- **Calculus, 12th Edition, by Ron Larson and Bruce Edwards.**
(You can get a one-year access to the e-textbook from Cengage <https://www.cengage.ca/c/calculus-of-a-single-variable-12e-larson-edwards/9780357749142/> for 77.95 CAD or buy a hard copy of the textbook for 166.95 CAD)
- **Calculus: Early Transcendentals, 9th Edition, Stewart/Clegg/Watson**
(You can get a one-year access to the e-textbook from Cengage <https://www.cengage.ca/c/calculus-early-transcendentals-9e-stewart-clegg-watson/9781337613927/> for 77.95 CAD or buy a hard copy of the textbook for 73.95 CAD)

Course textbooks can also be ordered online through the [Lakehead University bookstore](http://bookstore.lakeheadu.ca/home) (<http://bookstore.lakeheadu.ca/home>). Purchases can be shipped to students' home addresses. For more information, contact [Lakehead University bookstore](http://bookstore.lakeheadu.ca/contact-us) (<http://bookstore.lakeheadu.ca/contact-us>)

Course Content: The topics to be covered are, tentatively, the following (according to Larson-Edwards textbook.):

- (1) P3. (Preparation)
- (2) All of Chapter 1, except 1.4.
- (3) All of Chapter 2.
- (4) All of Chapter 3, except 3.8.
- (5) All of Chapter 4.
- (6) All of Chapter 5 up to 5.5.

Evaluation/List of Assessments

The final grade for the course will be based on the following items weighted as Indicated.

Assignments	15%
Lab Quizzes	5%
Midterm Exams (2 x 20%)	40%
Final Exam	40%
Total	100%

- **Assignments (15%)**
Assignments are given as topics are covered in class. Assignments will be collected and graded online using the free online homework system WeBWork. Further information will be provided during the next couple of weeks.
- **Lab Quizzes (5%)**
There will be **5 to 6 quizzes** administered during lab hours throughout the term. Each quiz will consist of **1–2 questions** based on material covered in the **previous week** and should take approximately **5–10 minutes** to complete.
You are allowed to **miss up to 2 quizzes without penalty**. For example, if 6 quizzes are given, only your **top 4 scores** will count toward your final grade. This policy is designed to accommodate occasional absences or unforeseen circumstances without the need for makeup quizzes. A **bonus participation mark** will be counted in the grade.
- **Midterm Exams (40%)**
There will be two **in-person 50-minute midterm exams** on **October 15, and November 19 held in place of the lab each worth 20%**. The details of the exams will be announced closer to the date of the exams.
- **Final Exam (40%)**
The **final exam** is a **180-minute cumulative** exam that covers **all course material**. It will be scheduled by the **Registrar's Office** during the **Fall examination period**.

Important Dates

Activity	Date
Start Date	September 2, 2025
Thanksgiving – College Closed	October 13, 2025
Midterm 1	October 15
Fall Study Break	October 20 – October 24
Midterm 2	November 19
Last Day of Classes	December 2, 2025
Study Days	December 3-4, 2025
Final Exam Period	December 5 – December 14
Exam Contingency Date	December 15, 2025

Course Policies

- Late assignments will NOT be accepted by the WeBWork system.
- Students who miss a midterm exam due to illness, having a personal/family emergency, or a religious observance must e-mail me within 48 hours from the date of the exam with a brief explanation of their absence. For a valid reason, the weight of the midterm exam will then be transferred to the final exam. There are no deferred midterm exams

Expectations for Successful Participation

- **Attend All Classes and Labs**
Your presence is essential for your success. If you are unable to attend, please arrange with a learning partner to help you catch up on missed content.
- **Practice Regularly**
Complete the exercises at the end of each section from either of the course textbooks to reinforce your understanding.

- **Stay Updated via myCourselink**
Check *myCourselink* frequently for important announcements, reading assignments, homework, and course updates.
- **Ask for Clarification When Needed**
If something is unclear, don't hesitate to ask questions in class or via email. Be sure to include your **full name and course number** in all email communications.
- **Keep Up with Coursework**
Read the assigned materials and complete homework on time so you're prepared to actively participate in class discussions.
- **Meet All Deadlines**
Submit assignments by the specified deadline. Avoid last-minute submissions to reduce the risk of technical issues interfering with your work.

Academic and Student Code of Conduct Policies

- Academic and student policies and procedures for those enrolled in the Lakehead-Georgian programs can be found on the [Lakehead-Georgian Student Portal](#).
- All Lakehead-Georgian programs will follow the Lakehead Regulations as list in the Lakehead University [Academic Calendar](#) (http://csdc.lakeheadu.ca/Catalog/ViewCatalog.aspx?pageid=viewcatalog&loaduseredit_s=False).The University Regulations include but are not limited to Registration, Examinations, Reappraisals and Academic Appeals, Special Examinations, Academic Misconduct, Withdrawal, and Timely Feedback. Additional Faculty Regulations may also apply. Please review the Academic Calendar.
- The Lakehead University [Student Code of Conduct - Academic Integrity](#) (<https://www.lakeheadu.ca/students/student-life/student-conduct>) will apply to all Lakehead-Georgian students regardless of campus of study.
- The Lakehead University [Student Code of Conduct - Appeals](#) (<https://www.lakeheadu.ca/students/student-life/student-conduct>) will apply to all Lakehead-Georgian students regardless of campus of study.
- The Georgian College [Student Code of Conduct](#) (<http://www.georgiancollege.ca/student-code-of-conduct/>) will apply to the Lakehead-Georgian students studying at the Barrie campus. Additional campus policies of [Sexual Violence Procedure and Protocol](#) (<https://www.georgiancollege.ca/about-georgian/campus-safety-services/tab/sexual-violence>), Alcohol, Drugs and Tobacco (<https://www.georgiancollege.ca/about-georgian/campus-safety-services/tab/alcohol-drugs-and-tobacco>), and [Information Technology Acceptable Use Procedure](#) (<http://www.georgiancollege.ca/wp-content/uploads/2-117IT-acceptable-use.pdf>)also apply.

- The Lakehead University [Student Code of Conduct – Non-Academic](https://www.lakeheadu.ca/students/student-life/student-conduct) (<https://www.lakeheadu.ca/students/student-life/student-conduct>) will apply to the Lakehead-Georgian students studying at the Orillia campus.

Plagiarism and Academic Dishonesty

A breach of Academic Integrity is a serious offence. The principle of Academic Integrity, particularly of doing one's own work, documenting properly (including use of quotation marks, appropriate paraphrasing and referencing/citation), collaborating appropriately, and avoiding misrepresentation, is a core principle in university study. Students should view the [Student Code of Conduct -Academic Integrity](https://www.lakeheadu.ca/students/student-life/student-conduct) (<https://www.lakeheadu.ca/students/student-life/student-conduct>) for a full description of academic offences, procedures when Academic Integrity breaches are suspected and sanctions for breaches of Academic Integrity.

Whom to Contact

STUDENT ADVISING (NON-ACADEMIC)		
Fallon Miller Student Success Advisor		Tel: 1-249-388-2447 Fallon.Miller@GeorgianCollege.ca (Georgian, Barrie) Room A143AA
APPLIED LIFE SCIENCES		
Lakehead University Program Coordinator	Dr. David Law	Tel: 705-330-4010, Ext. 2646 dlaw@lakeheadu.ca (Lakehead, Orillia) Room OA 3018
Georgian College Program Coordinator	Dr. Sean Madorin	Tel: 249-388-1116 sean.madorin@georgiancollege.ca (Georgian, Barrie) Room M320E
COMPUTER SCIENCE		
Georgian College Program Coordinator	Ross Bigelow	Tel: 249-388-1646 ross.bigelow@georgiancollege.ca (Georgian, Barrie) Room N211A
Lakehead University Program Coordinator	Dr. Ruizhong Wei	Tel: 705-330-4010, Ext. 2713 rwei@lakeheadu.ca (Lakehead, Orillia) Room OR 2012
Georgian College Lab Technician	Computer Science Help Desk	Tel: 705-728-1968, Ext. 1173 cstech@georgiancollege.ca

		(Georgian, Barrie) Room A155
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ELECTRICAL ENGINEERING		
Lakehead University Department Chair	Dr. Carlos Christoffersen	Tel: 807-343-8010, Ext. 8352 carlos.christoffersen@lakeheadu.ca (Lakehead, Thunder Bay) Room AT 5017
Lakehead University Program Coordinator	Dr. Mohammad Uddin	Tel: 249-388-2509 Muddin@lakeheadu.ca (Georgian, Barrie) Room F118D
Georgian College Program Coordinator	Dr. Majid OstadRahimi	Tel: 249-388-1543 majid.ostadrahimi@georgiancollege.ca (Georgian, Barrie) Room N211F

ENVIRONMENTAL SUSTAINABILITY		
Lakehead University Department Chair	Dr. Sree Kurissery	Tel: 705-330-4010, Ext. 2629 Skurisse@lakeheadu.ca (Lakehead, Orillia) Room OA 3010
Georgian College Program Coordinator	Rhonda Bell-Allen	Tel: 249-388-1702 Rhonda.bell-allen@georgiancollege.ca (Georgian, Barrie) Room A143G

SCIENCE LABORATORY SUPPORT		
Lakehead University Laboratory Technician	Chase Moser	Tel: 249-388-1602 cmoser@lakeheadu.ca (Georgian, Barrie) Room A150A

COOP CONTACTS		
Georgian College Co-op Consultant (Student Services for Computer Science- Computer Programmer; Course only for Electrical Engineering)	Maureen Arbour	Tel: 249-388-0728 Maureen.arbour@georgiancollege.ca (Georgian, Barrie)
Georgian College Employer Relations Consultant	Jodi Derrick	Tel: 249-388-0698 jodi.derrick@georgiancollege.ca (Georgian, Barrie) Room F118A

(Employer relations and co-op monitor for Computer Science-Computer Programmer)		
Lakehead University Co-op Coordinator (Student and Employer Services for Electrical Engineering)	Caitlin Reeves	Tel: 807-343-8010, Ext. 7190 Coopadvisor@lakeheadu.ca (Lakehead, Thunder Bay) Room SC 0017B

Student Services and Supports

Student Advisors (<https://georgiancollege.sharepoint.com/sites/student/Student-Services/StudentAdvisors/SitePages/Home.aspx>)

- Help students build both academic and personal resilience so that they can flourish at Georgian and beyond
- Provide individual, group and web-based advising sessions
- Are housed within the academic areas
- To book an appointment with your advisor go to the <https://outlook.office365.com/book/StudentSuccessAdvisorFallonMiller@georgiancollege.onmicrosoft.com/>

Library (<http://library.georgiancollege.ca/main>)

Customer Service

- Off campus access

Research help

- Help finding books, articles and credible sources.
- Using specialty databases.
- Creating a search strategy.

Academic Success (<https://library.georgiancollege.ca/help/contact-academic-success>)

Writing Centre (http://library.georgiancollege.ca/writing_centre)

- Improve your writing.
- Help with citing sources and laying out your paper.

Math Centre (http://library.georgiancollege.ca/math_centre)

- Make sense of math questions.
- Understand concepts and develop skills.

Tutors (<http://library.georgiancollege.ca/tutoring>)

- Further understand course content.
- Build your study practices.

Accessibility Services (<https://www.georgiancollege.ca/student-life/student-services/accessibility-services/>)

If you are a student experiencing a disability who may require academic accommodations and have not yet registered with Accessibility Services, please contact their office at 1-877-722-1523 email studentsuccess@georgiancollege.ca, or visit their offices in B110. You must be registered with Accessibility Services to access academic accommodations. Support for those students whose success at college may be affected by a disability include:

- Ongoing support from our Accessibility Advisors including arranging a confidential psychoeducational assessment where required
- Training in the use of specialized computer technology
- Classroom and test accommodations

Testing Services (<http://www.georgiancollege.ca/student-life/student-services/testing/>)

- Accommodated testing
- Missed/Makeup testing
- Proctoring services are also available for external and Ontario Learn exams

Counselling (<http://www.georgiancollege.ca/student-life/student-services/counselling/>)

- Free, confidential counselling is available to all students
- Walk in counselling is available on a daily basis Monday to Friday

Career Success (<http://www.georgiancollege.ca/student-life/student-services/co-op-and-career-services/>)

Career assessments and exploring options

- Job search workshops
- Labour market information
- Resume/cover letter help
- Interview practice
- Graduate employment information
 - Links to job postings and online resource

Campus Safety and Security Syllabus Addendum

Emergency Evacuation (<https://www.georgiancollege.ca/about-georgian/campus-safety-services/emergency-management/#fire>)

- Evacuate buildings when a fire alarm is activated or an official announcement is given. Review [evacuation guidelines](https://www.georgiancollege.ca/about-georgian/campus-safety-services/emergency-management/#fire). (<https://www.georgiancollege.ca/about-georgian/campus-safety-services/emergency-management/#fire>)
- Students requiring assistance in emergency situations must inform their faculty during the first week of class.
- Familiarize yourself with all fire exit doors of classrooms and buildings you may occupy.
- Do not re-enter a building until instructions are given by the Fire Department or college personnel.

Lockdown (<https://www.georgiancollege.ca/about-georgian/campus-safety-services/tab/lockdown>)

- Lockdown is initiated when there is a potential or actual violent incident on campus that could result in a serious injury or threat to life.
- Students can download the new Safe@Georgian app to stay updated on Campus Safety and Security information including lockdown.
- Familiarize yourself with the [College Lockdown procedure](https://www.georgiancollege.ca/wp-content/uploads/Lockdown.pdf) (<https://www.georgiancollege.ca/wp-content/uploads/Lockdown.pdf>)
- Lockdown tests occur each semester.

Resources:

- [Get Out, Hide, Fight Lockdown Video](http://youtu.be/JA8cckMbVDk) (<http://youtu.be/JA8cckMbVDk>)
- [Lockdown quick reference sheet](http://www.georgiancollege.ca/wp-content/uploads/COM-15-416_LockdownProcedure_Signage_FVR3_print.pdf) (http://www.georgiancollege.ca/wp-content/uploads/COM-15-416_LockdownProcedure_Signage_FVR3_print.pdf)
- Lockdown Model – Get Out, Hide, Fight: Lockdown Tools and Tactics and FAQs.

Unscheduled Campus Closure <https://content.georgiancollege.ca/wp-content/uploads/Unscheduled-Campus-Closure.pdf>

Resources:

- [How to find out if your campus is closed](https://www.georgiancollege.ca/about-georgian/campus-safety-services/emergency-management/#closure) (<https://www.georgiancollege.ca/about-georgian/campus-safety-services/emergency-management/#closure>)
- [Unscheduled Campus Closure Procedure](https://www.georgiancollege.ca/wp-content/uploads/2-102Unscheduled-college-closure-2018.02.10.pdf) (<https://www.georgiancollege.ca/wp-content/uploads/2-102Unscheduled-college-closure-2018.02.10.pdf>)

Timing of Closures/Notification:

Closure	Decision	Communication / Notification*	Notes
College has made the decision to close a campus or location <u>in the morning</u>:	6:00 a.m.	By 6:30 a.m.	If re-opening for noon or evening classes is being considered, this will be mentioned in the message

College closes a campus(s) in the morning and <u>expects to re-open by 12:00 noon</u>	9:30 a.m.	By 10:00 a.m.	Only affects classes beginning at 12 noon or later
Closure expected to continue <u>past 12:00 noon</u>	9:30 a.m.	By 10:00 a.m.	
College intends to <u>re-open for evening classes</u> which commence at 5 p.m. or later	2:30 p.m.	By 3:00 p.m.	
College intends to <u>NOT re-open for evening classes:</u>	2:30 p.m.	By 3:00 p.m.	

***Notification will be made via:**

- Georgian social media (Facebook, Twitter)
- Safe@Georgian app
- Georgian website (homepage)
- Recorded message when you call into Barrie campus at 705-728-1968
- Student or employee portal
- Georgian email account
- Radio and television announcements through local and regional media

Note: We only announce the names of campuses that are closed. If your campus is not named in a closure, it's open.