**Syllabus**
**Spring Semester, 2026**
**MATH 1634–03, Calculus I**
**MW: 12:00–1:15 PM**
**F: 1:00–1:50 PM**
**Technology-Enhanced Learning Center, Room 1105**

**Text:** *Calculus, Volume 1*, by G. Strang and E. Herman, Openstax.

The student can download the text for free at

https://openstax.org/details/books/calculus-volume-1.

**Instructor:** Dr. Mark Faucette

**Office:** Technology-Enhanced Learning Center, Room 2247

**Phone:** My contact phone number is 470-729-1129. This is my Google voice phone number. It will ring my campus phone and my cell phone.

**E-Mail:** My e-mail address is faucette@westga.edu.

**The Web:** My web page is at URL http://mfaucette.dyndns.org. The full course syllabus is located on my web site and can be downloaded as a pdf file. It is the student's responsibility to download and/or to print the syllabus and to follow it.

**Office Hours:** My office hours are

- MW: 10:30–11:30 AM
- MW: 1:30–2:30 PM
- TR: 11:00–11:30 AM

I do not help students with homework or quiz problems. I do not provide private instruction or individual tutoring. If you need help with the content of the course, go to the STEM Tutoring Center or the Center for Academic Success.

I do not hold office hours during final exam week.

**Required Equipment:** The following is required for this course:

- A graphing calculator is required for this course. Graphing calculators equivalent to the TI-83, 84, 85, and 86 will be allowed on the tests and the final examination, as will scientific calculators. The TI-89 and other equivalent calculators will **not** be allowed. You must have your calculator with you every class day.

**Common Language for Course Syllabi:** Students, please carefully review the following information at the link

http://www.westga.edu/UWGSyllabusPolicies/.

It contains important material pertaining to your rights and responsibilities in this class. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester.

## Grading Policy

**Homework (250 points)** Homework will be completed online using MyOpenMath. Homework will be scaled to count two hundred fifty points.

**Quizzes (200 points)** Quizzes will be completed online using MyOpenMath most every Friday. Quizzes will be scaled to count two hundred points.

**Tests (300 points)** There will be three tests, each counting one hundred points.

**Final Examination (250 points)** There will be one comprehensive final examination counting two hundred fifty points.

At the end of the semester, the following grading scale will be used:

- 1000 points is the total number of points possible.
- A total of 900–1000 points earns an A.
- A total of 800–899 points earns a B.
- A total of 700–799 points earns a C.
- A total of 600–699 points earns a D.
- A total below 600 points earns an F.

## Expectations

**Attendance and Classroom Decorum:** You are expected to attend class every class period. If you miss class for any reason, it is your responsibility to get the lecture notes from a classmate, read the text, and do the homework.

**Course Content:** The course will cover the topics listed on the attached lecture schedule.

**Reading Assignments:** You are responsible for reading and understanding the text before it is covered in class through lecture. The lectures during class time will supplement, not replace, the reading of the text. Since class time is limited, only a limited number of examples can be given in class. You can find a large number of examples worked completely in the text. If you are diligent, you will find these examples a great help in completing the homework assignments and earning a satisfactory grade at the end of the semester.

**Lecture:** The primary method of classroom instruction will be by lecture during class time. The class time will be divided between lectures on new material, working problems at the board, and assessment. It is extremely important that you attend class regularly. You are responsible for all the material presented in the lectures, regardless of attendance. If needed, students can obtain supplementary assistance from the STEM Tutoring Center.

**Extra Credit:** There is no extra credit for any reason. All points must be earned on the homework, quizzes, tests, and the final examination. I do not "curve" scores. That, too, is extra credit. You get the points you earn.

**Make-Up Work:** There are no make-up grades for any reason. Students having an absence for any reason on the day homework or a quiz is due must must complete that assignment on time online. Students having an unexcused absence on the day of a test will receive a grade of zero for that test. Students having an excused absence on the day of a test will have their test average entered for the missed grade. This may only be done once. Absences must be excused *before* they occur except in extraordinary cases, such as active military duty, jury duty, or hospitalization. *Being sick, short of being hospitalized, is not an excuse.* If you anticipate being absent from class for a religious holiday, it is your responsibility to notify me *in advance.*

**Homework:** For each section of our text, there will be an accompanying homework assignment found on MyOpenMath which has been integrated into CourseDen. *Do not create an account in MyOpenMath for this course.* Deadlines for each section will be found on CourseDen with each assignment throughout the semester. Homework will be scaled to count two hundred points.

There are no extensions on the due dates for homework for any reason.

**Quizzes:** Quizzes will be completed online using MyOpenMath most every Friday. There will also be unannounced in-class quizzes to ensure attendance and participation from time to time. Quizzes will be scaled to count one hundred fifty points.

There are no extensions on the due dates for quizzes for any reason.

**Tests:** There will be three tests administered on Friday, January 30; Friday, March 13; and Friday, April 17.

You will need your calculator for each test.

**Midterm:** The last day to withdraw with a W is Wednesday, March 25.

**Final Examination:** There will be a final examination administered on Monday, May 11, from 12:00 PM to 2:00 PM in room 1105 of the Technology-Enhanced Learning Center.

## MATH 1634 Lecture Schedule

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| Monday, January 12 | Section 2.1 |
| Wednesday, January 14 | Section 2.2 |
| Friday, January 16 | Section 2.3 |
| Monday, January 19 | MLK Holiday |
| Wednesday, January 21 | Section 2.3 |
| Friday, January 23 | Section 2.4 |
| Monday, January 26 | Section 2.5 |
| Wednesday, January 28 | Section 3.1 |
| Friday, January 30 | Test 1 |
| Monday, February 2 | Section 3.2 |
| Wednesday, February 4 | Section 3.3 |
| Friday, February 6 | Section 3.3 |
| Monday, February 9 | Section 3.4 |
| Wednesday, February 11 | Section 3.5 |
| Friday, February 13 | Section 3.6 |
| Monday, February 16 | Section 3.6 |
| Wednesday, February 18 | Section 3.7 |
| Friday, February 20 | Section 3.8 |
| Monday, February 23 | Section 3.8 |
| Wednesday, February 25 | Section 3.9 |
| Friday, February 27 | Section 4.1 |
| Monday, March 2 | Section 4.1 |
| Wednesday, March 4 | Section 4.2 |
| Friday, March 6 | Math Day (No Class) |
| Monday, March 9 | Sections 4.2 & 4.3 |
| Wednesday, March 11 | Section 4.3 |
| Friday, March 13 | Test 2 |
| Monday, March 16 | Spring Break |
| Wednesday, March 18 | Spring Break |
| Friday, March 20 | Spring Break |
| Monday, March 23 | Section 4.4 |
| Wednesday, March 25 | Section 4.5 |
| Friday, March 27 | Section 4.6 |
| Monday, March 30 | Section 4.7 |
| Wednesday, April 1 | Section 4.7 |
| Friday, April 3 | Section 4.8 |

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| Monday, April 6 | Section 4.8 |
| Wednesday, April 8 | Section 4.9 |
| Friday, April 10 | Section 4.10 |
| Monday, April 13 | Section 5.1 |
| Wednesday, April 15 | Section 5.2 |
| Friday, April 17 | Test 3 |
| Monday, April 20 | Section 5.2 |
| Wednesday, April 22 | Section 5.3 |
| Friday, April 24 | Section 5.3 |
| Monday, April 27 | Section 5.4 |
| Wednesday, April 29 | Sections 5.4 & 5.5 |
| Friday, May 1 | Section 5.5 |
| Monday, May 4 | Section 5.5 |

## Academic Orientation for Freshman Lecture Courses[1]

The fundamental problem is that most of our current high school graduates don't know how to *learn* or even what it means to learn (a fortiori to understand) something. In effect, they graduate high school feeling that learning must come down to them from their teachers. That may be suitable for the goals of high school, but it unacceptable at the university level. *That the students must also learn on their own, outside the classroom, is the main feature that distinguishes college from high school.*

My contention is that it is possible to get college freshmen to learn calculus fairly well, without resorting to utopian tricks such as enforced group projects. All we have to do is get the student to accept that learning is something that will take place mostly outside of class; that is, *just insist that they grasp the underlying premise of college education.*

1. **You are no longer in high school.** The great majority of you, not having done so already, will have to discard high school notions of teaching and learning and replace them by university-level notions. This may be difficult, but it must happen sooner or later, so sooner is better. Our goal is more than just getting you to reproduce what was told to you in the classroom.

2. Expect to have material covered at *two to three* times the pace of high school. Above that, we aim for greater command of the material, especially the ability to apply what you have learned to new situations (when relevant).

3. Lecture time is at a premium, so it must be used efficiently. You cannot be "taught" everything in the classroom. **It is *your* responsibility to learn the material.** Most of this learning must take place *outside* the classroom. You should be willing to put in two hours outside the classroom for each hour of class.

4. The instructor's job is primarily to provide a framework, with *some* particulars, to guide you in doing your learning of the concepts and methods that comprise the material of the course. It is not to "program" you with isolated facts and problem types nor to monitor your progress.

5. You are expected to read the textbook for comprehension. It gives the detailed account of the material of the course. It also contains many examples of problems worked out, and these should be used to supplement those you see in the lecture. The textbook is not a novel, so the reading must often be slow-going and careful. However, there is the clear advantage that you can read it at you own pace. Use pencil and paper to work through the material and to fill in omitted steps.

6. As for *when* you engage the textbook, you have the following dichotomy:

   (a) *[recommended for most students]* Read for the first time the appropriate section(s) of the book *before* the material is presented in lecture. That is, come prepared for class. Then the faster-paced college-style lecture will make more sense.

   (b) If you haven't looked at the book beforehand, try to pick up what you can from the lecture (absorb the general idea and/or take thorough notes) and count on sorting it out later while studying from the book outside of class.

[1] Steven Zucker, *Notices of the American Mathematical Society,* vol. 43, no. 8, p. 865 (August 1996)

## Academic Honesty
## Prohibited Conduct[2]

**The penalty for violating this policy is failure in the course.**

**General standard of conduct:** No student shall knowingly perform, attempt to perform, or assist another in performing any act of dishonesty on academic work to be submitted for academic credit or advancement. The term "knowingly," as used in the preceding sentence, means that the student knows that the academic work involved will be submitted for academic advancement. "Knowingly" does not mean that the student must have known that the particular act was a violation of the University's academic honesty policy. A student does not have to intend to violate the honesty policy to be found in violation. For example, plagiarism, intended or unintended, is a violation of this policy.

**Examples of Academic Dishonesty:** The following acts by a student are examples of academically dishonest behavior:

I. Plagiarism - Submission for academic advancement the words, ideas, opinions or theories of another that are not common knowledge, without appropriate attribution to that other person. Plagiarism includes, but is not limited to, the following acts when performed without appropriate attribution:
   A. Directly quoting all or part of another person's written or spoken words without quotation marks, as appropriate to the discipline;
   B. Paraphrasing all or part of another person's written or spoken words without notes or documentation within the body of the work;
   C. Presenting an idea, theory or formula originated by another person as the original work of the person submitting that work;
   D. Repeating information, such as statistics or demographics, which is not common knowledge and which was originally compiled by another person;
   E. Purchasing (or receiving in any other manner) a term paper or other assignment that is the work of another person and submitting that term paper or other assignment as the student's own work. Ê

II. Unauthorized assistance - Giving or receiving assistance in connection with any examination or other academic work that has not been authorized by a faculty member. During examinations, quizzes, lab work, and similar activity, students are to assume that any assistance (such as books, notes, calculators, and conversations with others) is unauthorized unless it has been specifically authorized by a faculty member. Examples of prohibited behavior include, but are not limited to, the following when not authorized:
   A. Copying, or allowing another to copy, answers to an examination;
   B. Transmitting or receiving, during an examination, information that is within the scope of the material to be covered by that examination (including transmission orally, in writing, by sign, electronic signal, or other manner);
   C. Giving or receiving answers to an examination scheduled for a later time;

[2]The content of this page is taken from the document *Academic Honesty Policy (A Culture of Honesty),* Section 5, The University of Georgia.

D. Completing for another, or allowing another to complete for you, all or part of an assignment (such as a paper, exercise, homework assignment, presentation, report, computer application, laboratory experiment, or computation);

E. Submitting a group assignment, or allowing that assignment to be submitted, representing that the project is the work of all of the members of the group when less than all of the group members assisted substantially in its preparation;

F. Unauthorized use of a programmable calculator or other electronic device.

III. Lying/Tampering/Bribery - Bribery or giving any false information in connection with the performance of any academic work or in connection with any proceeding under this policy. This includes, but is not limited to:

A. Giving false reasons (in advance or after the fact) for failure to complete academic work. This includes, for example, giving false excuses to the Faculty Member or to any University official for failure to attend an exam or to complete academic work;

B. Falsifying the results of any laboratory or experimental work or fabricating any data or information;

C. Altering any academic work after it has been submitted, unless such alterations are part of an assignment (such as a request of an instructor to revise the academic work);

D. Altering grade, lab, or attendance records. This includes, for example, the forgery of University forms for registration in or withdrawal from a course;

E. Damaging computer equipment (including disks) or laboratory equipment in order to alter or prevent the evaluation of academic work, unauthorized use of another's computer password, disrupting the content or accessibility of an Internet site, or impersonating another to obtain computer resources;

F. Giving false information or testimony in connection with any investigation or hearing under this policy;

G. Submitting for academic advancement an item of academic work that has previously been submitted (even when submitted previously by that student) for academic advancement, unless done pursuant to authorization from the Faculty Member supervising the work or containing fair attribution to the original work.

IV. Theft - Stealing, taking or procuring in any other unauthorized manner (such as by physical removal from a professor's office or unauthorized inspection of computerized material) information related to any academic work (such as exams, grade records, forms used in grading, books, papers, computer equipment and data, and laboratory materials and data).

V. Other: Any failure to comply with a duty imposed by this policy. There is no penalty for failing to report another student's dishonesty or for failing to testify in an academic honesty proceeding.

Any behavior that constitutes academic dishonesty is prohibited even if it is not specifically listed in the above list of examples.