



## **Course Syllabus: Calculus I**

College of Science, Mathematics and Engineering

Math 1634 Section 102

Fall 2026 MF 12:00-12:50,

TTh 12:30-1:20

### **Contact Information**

Instructor: Linda Fosnaugh

Office: Bolin 122 M

Office hours: Monday, Friday 2-3; Wednesday 12-1, 2-3, Tuesday 1:30-2:30

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### **Prerequisite**

A grade of C or better in Math 1433 or Math 1534 or the equivalent is required to enroll in Math 1634.

### **Catalog Information**

Description: Differentiation of functions of one variable with applications, integration including simple substitution and numerical evaluation, and applications of integration.

### **Textbook & Instructional Materials**

**Required textbook:** Calculus, Early Transcendentals, 9<sup>th</sup> Edition, by Stewart, Clegg and Watson. E-book accessed through D2L as part of Follett Access. On the right side of the D2L Course Home page click on Bookstore "My Materials" for the e-text. Charges apply to your MSU account. The bookstore will send an email with an opt-out option. If you opt-out, you will lose access to the required course materials and will need to find another way to gain access to the materials. The online materials also include access to MathGPT.ai, the homework platform for this course.

**Additional Information:** This course covers the content in Chapters 2–5 of the text. The content within Chapter 1 consists of prerequisite mathematics (content from College Algebra and Trigonometry, or Precalculus) for the study of calculus. Students are responsible for reviewing the content of Chapter 1 on their own.

**Calculator Requirement:** A non-CAS scientific calculator that does not give exact irrational outputs is recommended for this course. Certain quizzes and

exams (or portions of exams) will be **required** to be completed either **without a calculator** or **without a graphing calculator**. A CAS calculator may not be used on any test or quiz. A non-CAS scientific calculator that gives exact irrational outputs may also be prohibited on some tests. Any student that attempts to use a non-approved calculator on an assessment will receive a zero on the assessment. Further, additional penalties, as outlined under the Academic Misconduct Policy, may apply. A TI-30XIIS is an appropriate scientific calculator for this class and can be generally purchased for less than \$20.

### **Computer Requirements**

Homework for this course requires you to have access to a computer (with Internet access) to complete assignments. It is your responsibility to have (or have access to) a working computer in this class. ***\*Assignments are due by the due date, and personal computer technical difficulties will not be considered reason for the instructor to allow students extra time to submit assignments.*** Computers are available on campus in various areas of the buildings as well as the Academic Success Center. ***\*Your computer being down is not an excuse for missing a deadline!!*** There are many places to access your class! Contact your instructor immediately upon having computer trouble. If you have technical difficulties in the course, there is also a student helpdesk available to you. The college cannot work directly on student computers due to both liability and resource limitations however they are able to help you get connected to our online services. For help, log into [D2L](#).

### **Punctuality, Attendance & Engagement Policy**

Regular and punctual attendance is expected. Attendance will be taken at the beginning of each class period. Arriving late or leaving early will result in being counted as absent for that class session unless Dr. Fosnaugh excuses the late arrival or early departure.

#### **Absences**

##### **1. Limits and Consequences**

- A student who accumulates **more than four unexcused** or **more than eight total absences** (excused and unexcused combined) may be instructor-dropped from the course with a grade of **WF or F**.
- After a student has accumulated **three total absences** (excused or unexcused), **each additional unexcused absence** will result in a **1% deduction** from the student's semester course average.

##### **2. Excused Absences and Documentation**

- The most effective way to ensure an absence is recorded as excused is to provide **timely, appropriate documentation**.

- Acceptable documentation includes, but is not limited to:
  - A doctor's note for a non-routine medical appointment or illness
  - A university-approved, signed letter or memo verifying participation in an athletic or academic event
  - A letter or memo confirming participation in a mandatory military service obligation
- If documentation cannot be provided due to an emergent situation, the instructor may, at her discretion, excuse the absence provided that the student:
  - 1. Notifies her via email as soon as is reasonably possible, but within two business days of the absence, of the reason for the absence, and
  - 2. Completes all assigned homework covering the material from the missed class.
- **Important Note:** If a student has two consecutive absences and does not notify Dr. Fosnaugh of the reason for the absence before the class meeting following the second absence, those absences will be considered as **unexcused**.

### **Punctuality and Engagement:**

#### **3. Arrival, Departure, and Engagement**

- Students are expected to arrive on time and remain for the entire class period.
- Leaving class during the session (e.g., for restroom breaks, phone calls, or other non-emergency reasons) should be avoided and is permitted only in rare emergencies.
- At the instructor's discretion, a student may be marked absent for arriving late, leaving early, or leaving and returning during the class period.
- Students who anticipate the need to arrive late or leave early should discuss this with Dr. Slavens in advance.

#### **4. Active Participation**

- Students are expected to be mentally present and actively engaged throughout the class session. This includes removing earbuds, headphones, and other headsets and refraining from working on assignments for other courses during the class.
- Failure to comply with these expectations—without instructor prompting—may result in the student being marked absent for that class period.

#### **5. In-Class Work**

A student who is counted absent will receive a **zero** on any work completed or submitted during that class session.

## Grading

Table 1: Weight allocated to each assignment.

| Assessment                                              | Weight |
|---------------------------------------------------------|--------|
| MathGPT.ai homework                                     | 8%     |
| In-class worksheets (3) based on MathGPT.ai assignments | 12%    |
| Quizzes and other Graded Submitted Work                 | 6%     |
| Exam 1                                                  | 12%    |
| Exam 2                                                  | 12%    |
| Exam 3                                                  | 14%    |
| Exam 4                                                  | 14%    |
| Cumulative Final Exam                                   | 22%    |

Table 2: Total points for final grade.

| Grade | Points        |
|-------|---------------|
| A     | 90-100%       |
| B     | 80-89%        |
| C     | 70-79%        |
| D     | 60-69%        |
| F     | Less than 60% |

## Exam and In-Class Worksheet Dates

The dates below are subject to change with three days advanced notice.

**In-class worksheet:** Sept. 15

**Exam 1:** Sept. 17

**In-class worksheet:** Oct. 9 and/or Oct. 12

**Exam 2:** Oct. 13

**In-class worksheet:** Nov. 2 and/or Nov. 3

**Exam 3:** Nov. 5

**Exam 4:** Dec. 3

**Final Exam (not tentative):** Thursday, Dec. 10, 10:30 – 12:30

**Note:** Special rules regarding exams days will be announced in class and in D2L as part of Dr. Fosnaugh's **Exam Environment and Device Policy**. The intent of the rules within this policy is to protect the integrity of the exam and ensure fairness for all students. Some of the exam day protocols may include the following.

All backpacks must be placed in the front of the room.

All cell phones must be placed face down on your desk/table. Make sure your cell phone is off/silent (not vibrate).

Remove smart watches, ear buds, smart glasses, etc. Note that I may drop my exam questions into MathGPT, Photomath, etc and compare to student test answers.

Hands must be on the desk and clearly visible at all times.

You may not wear a hoodie or other hat that covers your ears.

You may not leave the room until you are finished with your exam.

If your calculator has a cover, remove it from your calculator. The cover should not be on your desk.

### **Make Up Exam Policy**

Make-up exams are not generally given; however, such exams may be given for an absence that is a result of a documented medical or personal emergency. If an exam is going to be missed due to an approved university activity, the student should request to take the exam early. For missed exams, timely notification (for emergencies, on or before the scheduled day of the exam, and for approved university activities, three weekdays prior to the scheduled day of the exam) is necessary to receive consideration to make up the exam or take the exam early. Once graded exams have been returned to the class, which usually occurs one or two class meetings following the day of the exam, it will no longer be possible to make-up a missed exam. No student will be allowed to make up more than one exam during the semester. No exams may be made up due to a student scheduling a vacation on a day when classes are in session.

### **Homework**

Online homework (accessed through D2L) will be assigned for most sections covered in the textbook. This homework will be completed through **MathGPT.ai**, a digital learning platform that includes built-in **AI learning support**. The **built-in AI learning support** is intended to provide personalized tutoring that coaches students through their math challenges and promotes genuine learning rather than simply providing solutions.

Students are to keep a MathGPT.ai assignment notebook and include in the notebook their work for solving the problems assigned in MathGPT.ai assignments. The notebook should be organized by assignment name and problem numbers and include the initial problems and the student's work for solving the problems.

For some assignments completed in MathGPT.ai, the instructor will require students to submit their written work through D2L. A grade may be assigned based on the submitted work. If a student does not submit the requested written work for all problems completed within the MathGPT.ai assignment, the grade assigned by the automated grading of the MathGPT.ai assignment may be substantially reduced by the instructor.

In addition, some homework problem sets or additional review practice problem sets may be assigned from the textbook. You may find it helpful that the e-text within D2L contains solutions to the odd numbered exercises. I have also made available, at the reservation desk in Moffett Library, a physical copy of the student solution manual for the required textbook.

### **Important Note Regarding Academic Integrity**

The use of any tool that generates complete or near-complete solutions - including fully worked steps, final numeric answers, or solutions substantially like assigned problems - constitutes unauthorized assistance. Academic misconduct penalties will apply if any work is submitted that is obtained through unauthorized assistance.

Students whose MathGPT.ai Homework Average is more than 20 percentage points higher than their test average may be required to submit (through D2L) their written work for past and future MathGPT.ai homework assignments. The grade assigned by the automated grading of the MathGPT.ai assignment may then be changed to a grade determined by the instructor based upon the student's submitted work.

### **Homework Engagement Requirement**

Students who receive more than ten homework scores below 50% in MathGPT.ai may be instructor-dropped from the course with a grade of WF or F. A homework score below 50% is generally interpreted as a lack of sufficient effort or engagement with the assignments.

If a student makes a good-faith attempt to complete *all* problems on a homework assignment but earns a score below 50%, the student is encouraged to meet with Dr. Fosnaugh to discuss the assignment and underlying course content. Following this meeting, and based on Dr. Fosnaugh's assessment of the student's understanding, the homework score may be adjusted to 50% or higher.

This opportunity is available only to students who demonstrate effort by completing the assignment while it is open and who meet with the instructor within one week of the assignment's original due date.

### **Quizzes**

Quizzes will be given frequently during the first half of the semester and then less frequently during the second half of the semester. Makeup quizzes are not given for any reason. When a quiz is missed due to an excused absence, the instructor may excuse the student from the quiz. When a student is excused from taking a quiz a "no score" is given instead of a score of zero.

## Note Taking

Students are expected to take notes during class lectures. Good notes can be a helpful resource for you as you are working assigned homework problems and as you are preparing for quizzes and exams. When a portion of class lecture is given through videos (referred to as video supplements), while watching the videos you are expected to take good notes. I may collect any assigned video supplement lecture notes and use them as a basis for a graded assessment in the category titled Homework and Other Classwork.

## Desire-to-Learn (D2L)

You can log into [D2L](#) through the MSU Homepage. On D2L, I will post the following:

- Announcements and occasional reminders
- Links to occasional assigned video lectures
- Your grades on assessments
- Attendance (specifically absences and tardies)
- Links to assigned homework

I recommend the mobile Brightspace Pulse App. It will allow you to have quick access to anything posted within D2L.

## Course Communication

MSU policies require that I communicate with students via University email and D2L and that students communicate with me likewise. Ensure that your e-mail settings are configured to receive communications via D2L.

## E-mail Communication Guidelines

Use your MSU student email or your D2L email. I cannot respond to your personal email.

Include your first and last name, the course name/number in the subject line.

You should sign off with your first name, last name and M#.

Include a proper salutation to me. You may address me as Dr. Fosnaugh, Dr. Linda or Professor Fosnaugh. Do not address me by my first name only or leave out the salutation.

Your e-mail should contain proper spelling and punctuation.

## Recording Classes

***\*Recording classes is generally prohibited without the professor's explicit permission.*** Such recordings, when permitted, are for personal use only and may not be uploaded to the internet or otherwise shared, transmitted,

or published without the professor's prior consent. Some faculty may not permit recordings of their classes. When it is feasible and appropriate, students may record classes to accommodate disabilities under the Americans With Disabilities Act, with prior approval of Disability Support Services. Such recordings may not be uploaded to the internet or otherwise shared, transmitted, or published.

### **Teaching and Learning During Inclement Weather Days**

If class is cancelled due to a campus closure resulting from inclement weather, expect me to post within D2L, by 11 AM, a video over the topics planned to be covered on the day of the closure. There will be no change in the class schedule, except for possibly a slight extension for completing assigned homework.

### **Academic Misconduct Policy**

All work that you submit for this course must be your own. Submitting work that has been generated, in whole or in part, by AI tools, websites, solution manuals, or any external sources—unless explicitly authorized—is a violation of academic integrity. Violations of academic integrity are considered incidents of academic dishonesty.

Each incident of academic dishonesty will be reported to the university according to the university's *Academic Dishonesty Policy & Procedures* located in the student [handbook](#).

In this course, the possible sanctions for an incident of academic dishonesty are:

- Receiving a zero on the homework, quiz, or exam.
- Receiving a zero for your entire Homework and Other Classwork portion of your grade (10%).
- Receiving an F in MATH 1634
- Receiving an F in MATH 1634 that will remain permanent on your transcript and within your MSU GPA.

### **Assessment of Core Objectives**

Samples of students' work from embedded final exam questions will be used in the assessment of critical thinking, communications skills and empirical and quantitative skills.

### **Course Learning Outcomes**

Upon successful completion of this course, students will be able to:

1. Develop solutions for tangent and area problems using the concepts of limits, derivatives, and integrals.
2. Draw graphs of algebraic and transcendental functions considering limits, continuity, and differentiability at a point.



3. Determine whether a function is continuous and/or differentiable at a point using limits.
4. Use differentiation rules to differentiate algebraic and transcendental functions.
5. Identify appropriate calculus concepts and techniques to provide mathematical models of real-world situations and determine solutions to applied problems
6. Evaluate definite integrals using the Fundamental Theorem of Calculus.
7. Articulate the relationship between derivatives and integrals using the Fundamental Theorem of Calculus.

### **Electronic Device Policy**

Earbuds and other headsets are to be removed, and cell phones silenced and stored in a bag or placed on your tabletop with screen side down, at the beginning of class. Other electronic devices must also be appropriately stored prior to the start of class. A student with a cell phone or other device that is not appropriately stored, or a student with earbuds or a headset in or over their ears, will be in noncompliance with this policy and will be counted absent on the day of noncompliance. Students that continue to be noncompliant with this policy may be referred to the Dean of Students Office and/or the student may be withdrawn from the class by the instructor.

### **Academic Support Resources**

When you need help with this course, you are encouraged to use the following resources:

1. Your professor
  - Office hours are listed on page one of this syllabus.
  - When attending office hours for additional support with course content, you are expected to bring your class notes and all relevant work completed on the topics for which assistance is sought.
2. The *Tutoring and Academic Support Program (TASP)*,
  - TASP is located on the first floor of Moffett Library and offers free tutoring in mathematics as well as other disciplines.
  - Additional information about services and schedules is available by visiting the TASP location or by searching "TASP" on the MSU website.
  - Tutoring services are available from Aug. 31 through Dec. 3.

### **Services for Students with Disabilities**

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational

programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Student Wellness Center, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to [Disability Support Services](#).

### **Emergency Aid Resources for Basic Needs**

Unexpected life circumstances can affect anyone. If you are experiencing challenges meeting basic needs—such as housing, utilities, food, transportation, healthcare, technology, textbooks or other life necessities, resources may be available to help. Visit the [Student Emergency Support and Resources webpage](#) to learn more, and explore emergency support opportunities through MSU and how to access them. For additional information, please contact the Office of Student Affairs: Clark Student Center #108, (940) 397-7500, [student.affairs@mstuexas.edu](mailto:student.affairs@mstuexas.edu).

### **University Policies**

#### Use of Tobacco Products

Midwestern State University seeks to provide a safe, healthy, pleasant environment for its faculty, staff, and students. To this end, the use of tobacco products, including smoke and smokeless tobacco, and the advertising, sale, free distribution, and discarding of tobacco products shall be prohibited in all indoor and outdoor facilities and in all university vehicles. The policy extends to faculty, staff, students, vendors, guests, and visitors. Information related to the Use of Tobacco Products policy is available in the Midwestern State University Operating Policy 74.08, Use of Tobacco Products.

#### Alcohol and Drug Policy

To comply with the Drug Free Schools and Communities Act of 1989 and subsequent amendments, students and employees of Midwestern State are informed that strictly enforced policies are in place which prohibits the unlawful possession, use or distribution of any illicit drugs, including alcohol, on university property or as part of any university-sponsored activity. Students and employees are also subject to all applicable legal sanctions under local, state and federal law for any offenses involving illicit drugs on University property or at University-sponsored activities.

#### Campus Carry

Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university

campuses, except in locations the University establishes has prohibited. The new Constitutional Carry law does not change this process. Concealed carry still requires a License to Carry permit, and openly carrying handguns is not allowed on college campuses. For more information, visit [Campus Carry](#).

### Active Shooter

The safety and security of our campus is the responsibility of everyone in our community. Each of us has an obligation to be prepared to appropriately respond to threats to our campus, such as an active aggressor. Please review the information provided by MSU Police Department regarding the options and strategies we can all use to stay safe during difficult situations. For more information, visit [MSUReady – Active Shooter](#). Students are encouraged to watch the video entitled “*Run. Hide. Fight.*” which may be electronically accessed via the University police department’s webpage: [“Run. Hide. Fight.”](#)

**\*Notice:** Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor.

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