



## **Course Syllabus: Calculus II**

College of Science, Mathematics & Engineering  
MATH 1734 Section 202  
Spring 2026

### **Contact Information**

Instructor: Dr. Jihyun Lee

Office: Bolin Hall 122B

Office hours: Mon 2:30 PM – 3:30 PM

Tue 1:30 PM – 3:00 PM

Thurs 11:00 AM – 12:00 PM, 1:30 PM – 3:00 PM

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### **Prerequisites**

MATH 1634 with a grade of C or better.

### **Course Description**

Elementary transcendental functions, techniques of integration, sequences, series, Taylor's formula, conic sections, parametrized curves, and polar coordinates. Each student must have a scientific calculator with exponential and trigonometric functions

### **Learning Objectives**

Upon successful completion of this course, students will:

1. Use the concepts of definite integrals to solve problems involving area, volume, work, and other physical applications.
2. Use substitution, integration by parts, trigonometric substitution, partial fractions, and tables of anti-derivatives to evaluate definite and indefinite integrals.
3. Define an improper integral.
4. Apply the concepts of limits, convergence, and divergence to evaluate some classes of improper integrals.
5. Determine convergence or divergence of sequences and series.
6. Use Taylor and MacLaurin series to represent functions.

7. Use Taylor or MacLaurin series to integrate functions not integrable by conventional methods.
8. Use the concept of polar coordinates to find areas, lengths of curves, and representations of conic sections.

### **Course Materials – Desire-to-Learn (D2L)**

This course will use D2L to distribute information. Each student is expected to be familiar with this program and to regularly check posted information. You can log into [D2L](#) through the MSU Homepage. On D2L, I will post any announcements and reminders that I feel will be helpful as we go through the semester.

### **Textbook & Online Homework System**

WebAssign for Stewart/Clegg/Watson's Calculus: Early Transcendentals, Single-Term Instant Access(9th)

### **Cengage WebAssign**

All homework will be completed through Cengage WebAssign. \*Students must access WebAssign by first logging into D2L, opening this course, navigating to Content, and clicking the **Cengage WebAssign** external learning tool link.

If you choose to “opt out,” please refer to [MSU Texas Access & Affordability Program\(aka Follett Access\)](#). Note that opting out will result in loss of access to the course materials unless you have an existing subscription or obtain the required materials independently.

### **Calculators**

You are not allowed to use a graphing calculator or phone on quizzes or exams. You may use a scientific calculator that includes exponential and trigonometric functions.

### **Computer Requirements**

This class requires you to have access to a computer (with Internet access) to complete your homework assignments. It is your responsibility to have (or have access to) a working computer for 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 homework! Our online

homework can be accessed from any computer in the world which is connected to the internet.

### **Coursework and Grading – Grading**

*Table 1: Percentages Allotted:*

Category	Percentage
Homework	10%
Quizzes (Best 10 of 12)	10%
Exam (4 at 15% each)	60%
Final Exam	20%
Total	100%

**\*The lowest midterm-test score will be replaced with the final exam score, provided the final exam score is higher.** The final exam score cannot be replaced.

*Table 2: Total percentage for final grade.*

Grade	Points
A	at least 90%
B	80–89%
C	70–79%
D	60–69%
F	Less than 60%

### **Coursework**

*Table 1: List of Topics*

Chapter	
Chapter 7	Techniques of Integration
Chapter 6	Applications of Integration
Chapter 8	Further Applications of Integration
Chapter 11	Sequences, Series, and Power Series
Chapter 10	Parametric Equations and Polar Coordinates

### **Homework**

Homework will be assigned using the Cengage WebAssign. Homework will be assigned over the material that is covered in class. Problems may be worked up to 50 times. After the homework deadline, you can practice another version of the problems, if it is available (this feature is not available on all questions).

- All homework are equally weighted.
- Homework must be completed before the deadline for full credit.

- If you do not complete an assignment on time, **\*you may request an automatic extension in WebAssign within 5 days of the deadline and complete the homework by the new deadline for up to 75% partial credit.** Only work submitted after the original deadline will get partial credit; all work submitted before the original deadline gets full credit. Any homework not attempted will be scored 0.
- All extended work must be submitted by 11:59PM CST on May 15<sup>th</sup> to count towards your final grade.

Do not wait until the last minute to complete your homework assignments!

Homework is accessed through D2L by clicking on the Cengage WebAssign link on the D2L homepage for Math 1734.

### Quizzes

There will be **\*12 in-class quizzes**. Depending on the type of problems, partial credit may be awarded. The two lowest quiz scores will be dropped, and the best 10 quizzes will count toward your final grade.

If you miss a quiz, you will receive a score of 0. Make up quizzes will not be given for any reason. Quiz dates are not fixed and will be announced in class as the course progresses.

### Exam

There will be four (midterm) exams during the semester. The **\*tentative** dates for these exams are in the following table.

Exam	Date
Exam 1	Tuesday, Feb 10
Exam 2	Tuesday, Mar 3
Exam 3	Tuesday, Mar 31
Exam 4	Tuesday, April 21

The Final Exam – Thursday, **May 14, 2026 (10:30 am – 12:30 pm)**

### Attendance

Attendance will be taken at the beginning of every class. Students are expected to arrive on time and remain for the entire class period. Arriving late or leaving early may result in being counted as absent, unless you inform me in advance.

Students who miss more than **\*seven lectures** may be withdrawn from the course with the grade of F.

If you miss class, it is your responsibility to

1. get notes from another student for the day(s) you missed, and
2. see me before the next class for any handouts from the day(s) you missed.

Any absence due to medical, university-related, or military reasons must be supported by appropriate documentation. Make-up quizzes are not guaranteed and may be given at the instructor's discretion in cases of excused absences.

For make-up exams due to an excused absence, you must contact me before the exam whenever possible.

### **Academic Misconduct**

Cheating on any work in this course will result in no credit for that work. Egregious or repeated incidents may result in more serious consequences, including a failing grade in the course, which may be permanent on your transcript, or dismissal from your academic program. Additional guidelines on procedures in these matters may be found in the Office of Student Conduct.

[Office of Student Conduct](#)

### **Changes to Syllabus**

Some portions of this syllabus may alter during the semester. I will announce changes by email through the D2L email system. You are responsible for knowing everything I email to your D2L email address.

### **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](#).

### **College Policies**

[Campus Carry Rules/Policies](#)

Refer to: [Campus Carry Rules and Policies](#)

[Smoking/Tobacco Policy](#)

College policy strictly prohibits the use of tobacco products in any building owned or operated by WATC. Adult students may smoke only in the outside designated-smoking areas at each location.

### *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."](#)

### *Weather-Related Class Cancellations*

In the event of weather-related campus closures, this fully online course may continue as scheduled. Any changes to course activities, deadlines, or expectations will be communicated via D2L announcements.