

Syllabus Quick Facts

MATH 142: Calculus II — Spring 2026

Course Information

Instructor Email: cm264@mailbox.sc.edu

Course Webpage: <https://coffeeintotheorems.com>

Office Hours: The instructor's office is LeConte 345C. The office hours are Monday, Wednesday, and Friday from 2:30pm to 3:30pm, and Tuesday/Thursday from 12:00pm until 1:00pm.

Grading Components

Course grades are determined by the following components:

Check-Ins	5%
Labs	10%
Gateway Exams	10%
Homework	20%
Exam I – III	30%
Final Exam	25%

Attendance

Attend each lecture and show up on time. Address any absences—anticipated or otherwise—with the instructor. If you miss a lecture, you are responsible for any material covered, any work assigned, any course changes made, etc. during the class. Five or more unexcused absences from lectures could result in receiving a grade penalty per additional absence or an 'F' in the course. Furthermore, excessive lateness will also count as an absence.

Check-Ins

There will be a check-ins every class, typically at the start of class. Because solutions will often then be immediately discussed, no make-up check-ins will be given (except under extraordinary circumstances).

Labs

Nearly every week, students will have a lab to complete in a Python Jupyter Notebook. These labs will help engage them with the material and learn some basic programming skills. Students will have a designated lab time to work on these labs. However, if a student does not complete their lab during this time, they are still expected to complete and submit the lab on time.

Gateways

There are two Gateway exams during the semester. The Gateway exams are 30 minute exams that will help students to achieve mastery over basic Precalculus/Calculus (Gateway I) and integration (Gateway II) skills and help assure students that they are prepared for the future material.

Homeworks

there will be weekly homework assignments. Homeworks will mostly be given and submitted using MyOpenMath. This assessment system is free for students and is integrated into Blackboard. Students will not need to create an account or make any purchases.

Exams

There will be three exams in this course, each worth 10% of the course grade, for a total of 30% of the course grade. There will also be a final exam worth 25% of the course grade. Together, all exams are worth 55% of the course grade.

Course Schedule

The following is a *tentative* schedule for the course and is subject to change.

Date	Topic(s)	Date	Topic(s)
01/12	Recitation (Integration Review)	03/05	Absolute/Cond. Conv. & Ratio/Root Test
01/13	u -Substitution Review	03/09	Spring Break
01/14	Gateway I	03/10	Spring Break
01/15	Integration-by-Parts	03/11	Spring Break
01/19	MLK Day (No Classes)	03/12	Spring Break
01/20	Integration-by-Parts	03/16	Recitation (Series Tests)
01/21	Recitation (Integration Review)	03/17	Ratio/Root Tests
01/22	Trigonometric Integrals	03/18	Lab 5
01/26	Recitation (Integration Review)	03/19	Exam 2
01/27	Trig. Substitution	03/23	Lab 6
01/28	Recitation (Integration Review)	03/24	Power Series
01/29	Partial Fractions	03/25	Recitation (Power Series)
02/02	Recitation (Integration Review)	03/26	Power Series
02/03	Improper Integrals	03/30	Recitation (Power Series)
02/04	Recitation (Integration Review)	03/31	Taylor Series
02/05	Integral Applications	04/01	Lab 7
02/09	Recitation (Exam Review)	04/02	Taylor Series
02/10	Integration Review	04/06	Recitation (Taylor Series)
02/11	Lab 1	04/07	Taylor Remainder Theorem
02/12	Exam 1	04/08	Recitation (Remainder Theorem)
02/16	Lab 2	04/09	Series Applications
02/17	Sequences & Series Introduction	04/13	Recitation (Series Applications)
02/18	Gateway II	04/14	Series Applications
02/19	Telescoping/Geometric Series	04/15	Lab 8
02/23	Lab 3	04/16	Exam 3
02/24	Integral/Alternating Series Test	04/20	Lab 9
02/25	Lab 4	04/21	Parametric Functions
02/26	Limit Comparison Test	04/22	Recitation (Final Exam Review)
03/02	Recitation	04/23	Polar Coordinates
03/03	Direct Comparison Test	04/27	Recitation (Final Exam Review)
03/04	Recitation (Series Tests)	Varies	Final Exam