Syllabus Quick Facts

MATH 142: Calculus II — Fall 2025

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 2:00pm to 3:00pm, and Tuesday/Thursday from 1:00pm until 2:00pm.

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 MyMathLab. Therefore, students will need to purchase an access code to this system at http://www.mymathlab.com. Students can also purchase access to a digital copy of the textbook when they purchase an access code.

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)
08/19	u-Substitution Review	10/14	Alternating Series, Ab./Cond. Convergence
08/20	Recitation	10/15	Recitation
08/21	Integration-by-Parts	10/16	Ratio/Root Test
08/25	Gateway I	10/20	Recitation
08/26	Integration-by-Parts	10/21	Exam Review
08/27	Recitation	10/22	Exam Review
08/28	Trigonometric Integrals	10/23	Exam 2
09/01	Labor Day (No Class)	10/27	Lab 6
09/02	Trig. Substitution	10/28	Power Series
09/03	Recitation	10/29	Recitation
09/04	Partial Fractions	10/30	Power Series
09/08	Lab 1	11/03	Recitation
09/09	Partial Fractions	11/04	Taylor Series
09/10	Recitation	11/05	Recitation
09/11	Overflow/Review	11/06	Taylor Series
09/15	Lab 2	11/10	Lab 7
09/16	Improper Integrals	11/11	Series Applications
09/17	Recitation	11/12	Recitation
09/18	Integral Applications	11/13	Series Applications
09/22	Exam Review	11/17	Lab 8
09/23	Exam 1	11/18	Exam Review
09/24	Lab 3	11/19	Exam Review
09/25	Sequences/Series/Div. Test	11/20	Exam 3
09/29	Gateway II	11/24	Thanksgiving Break (No Class)
09/30	Telescoping Series/Integral Test	11/25	Thanksgiving Break (No Class)
10/01	Lab 4	11/26	Thanksgiving Break (No Class)
10/02	Comparison Tests	11/27	Thanksgiving Break (No Class)
10/06	Recitation	12/01	Lab 9
10/07	Comparison Tests	12/02	Polar Coordinates/Curves
10/08	Recitation	12/03	Recitation
10/09	Fall Break (No Class)	12/04	Parametric Curves & Calculus
10/13	Lab 5	12/09	Final Exam