Syllabus Quick Facts

MATH 142: Calculus II — Spring 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 12:00pm to 1:00pm, and Tuesday/Thursday from 11:30am until 12:30pm.

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. Seven 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 using SageMath. 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)
01/13	Recitation	03/06	Ratio/Root Test
01/14	u-Substitution	03/10	Spring Break
01/15	Gateway I	03/11	Spring Break
01/16	Integration-by-Parts	03/12	Spring Break
01/20	MLK Day (No Class)	03/13	Spring Break
01/21	Integration-by-Parts	03/17	Recitation
01/22	Lab 1	03/18	Review/Overflow
01/23	Trigonometric Integrals	03/19	Recitation
01/27	Recitation	03/20	Exam 2
01/28	Trig. Substitution	03/24	Lab 6
01/29	Recitation	03/25	Power Series
01/30	Partial Fractions	03/26	Recitation
02/03	Lab 2	03/27	Power Series
02/04	Partial Fractions	03/31	Recitation
02/05	Recitation	04/01	Taylor Series
02/06	Improper Integrals	04/02	Lab 7
02/10	Recitation	04/03	Taylor Series
02/11	Integral Applications	04/07	Recitation
02/12	Recitation	04/08	Series Applications
02/13	Exam 1	04/09	Recitation
02/17	Lab 3	04/10	Series Applications
02/18	Sequences/Series/Div. Test	04/14	Lab 8
02/19	Gateway II	04/15	Review
02/20	Integral Test	04/16	Recitation
02/24	Lab 4	04/17	Exam 3
02/25	Comparison Tests	04/21	Lab 9
02/26	Recitation	04/22	Polar Calculus
02/27	Comparison Tests	04/23	Recitation
03/03	Lab 5	04/24	Polar Calculus
03/04	Alt. & Tele. Series/ Cond. Conv.	04/28	Recitation
03/05	Recitation	05/06	Final Exam