

MTH 263 Calculus I Syllabus

Fall 2022

Teacher: Mary Davis
Contact: mdavis@madisonschools.k12.va.us, 540-948-3785
Room: 110
Canvas: <https://www.germannna.edu/>

Welcome to Dual Enrollment Calculus class!

MTH 263 is a 4-credit hour course offered through Germanna Community College. The course includes both student- and teacher-directed activities with note taking, guided practice sessions, discussion of solution methods, and cooperative learning activities planned. Problem solving and the analysis of problem situations are the focus of every lesson. Students apply the concepts of differential and integral calculus as they prepare for careers in math, engineering, science, and other areas requiring a strong math background. The [course organizer](#) lists GCC course standards.

Classroom Values:

1. Students are to arrive to class on-time and prepared each day.
2. At the sounding of the bell, students will take their seats, silence cell phones, remove AirPods, and store both out-of-sight until the end of the block.
3. Students will respond respectfully to others, be productive, participate in all activities, and persist.
4. Students are encouraged to bring water bottles with screw-on lids. No food is allowed in the room.
5. Students will ask for a pass, sign out, and back in when needing to leave the classroom.

Academic Expectations:

Class will begin promptly at the bell with students logging into the GCC Canvas system using a Chromebook. Learning goals, an outline of class activities, and links to online resources will be posted in the unit module each day; however, completed assignments will be turned in on paper in the classroom.

Homework assigned each night will be due at the beginning of the next class period. Students are encouraged to study class notes and textbook examples, work in peer study groups, and email Mrs. Davis with questions in order to complete homework with accuracy. Answers should be checked in the appendix of the calculus text and corrected

to the best of a student's ability. There will be time allowed in class for specific student questions and class conversation about assigned problems.

A short quiz will be given for every lesson covered in the course. Prior to entering the classroom, each student may independently prepare a 3X5 notecard summarizing the lesson's key concepts and formulas for use during the quiz. Students are encouraged to use their notes and daily practice to study for these lesson quizzes and to ask questions to clarify understanding. The student-prepared notecards may serve as a valuable study aide for unit tests; however, no notes will be allowed on tests or the final exam.

Office hours are scheduled for Tuesdays and Thursdays, 3:00-4:00 pm, and provide opportunities for one-on-one or small group tutoring, further practice, and a re-quiz to demonstrate improvement toward mastery. Re-quizzing is allowed only after a student has completed all related assignments and before the unit test. Before retaking a quiz, a student will work with the instructor to correct errors and practice further independently.

Late work policy:

Work for which the student was present, but which has not been completed or submitted is considered late work. There will be a 10-point grade deduction for each day an assignment is late up to a 50 point deduction in score. Once a unit test has been given, no late work will be accepted from the related unit.

Suggested Supplies:

- *Calculus: Early Transcendentals, 3rd ed.* is provided for student use during the Fall semester.
- Folder or 3-ring binder
- Lined paper and pencils
- 3X5 cards (optional)
- TI-84+ calculators will be provided for use in class. Students may use the online Desmos graphing calculator outside of class.

Communication:

Students and parents can expect to receive a response to email messages or telephone calls made to their faculty member within a 24-hour period, Monday through Friday. A response to email messages sent over the weekend will be provided by the close of business on the following Monday. Mrs. Davis's planning period is block II, 10:05-11:30AM. She may be contacted during that time via email or by calling Madison County High School at 540-948-3780, ext. 4110.