Math 1226: Calculus of a Single Variable
Thomas J. May
M, 9:05-9:55 am in Surge 104C
TR, 9:30-10:45 am in McBryde 129

Instructor Information
Office: McBryde 461R
Email: tmay@vt.edu ('Math 1226' in the subject line)
Office Hours: MTR 11-12 and by appointment
Important Websites:

1. The course webpage may be found at: http://www.math.vt.edu/courses/math1226/

2. Information particular to this section may be found on its Scholar page. This will be the primary
source of announcements and updates. You are expected to check it at least once a day.

Basic Course Information

Course Content: Techniques and applications of integration, trapezoidal and Simpson’s rules, improper
integrals, sequences and series, power series, parametric curves and polar coordinates, software-based tech-
niques. 1226 partially duplicates 1026, 1206, and 2015.

Prerequisites: Math 1225 (If you took Math 1205, you should be taking Math 1206)

Course Materials: There are two pieces of required course materials:


2. The numerical computing environment MATLAB-2014a. For engineering students, this came with your
engineering software package. Otherwise, this can be purchased at a discounted price from Student
Software Distribution. This is a piece of software you will use throughout your career at Tech. More
information can be found on the resources section of the Scholar site.

Graded Material

Mid-term Exams (60%): There will be three in class midterms. They will be announced one week before the
test date.

Final Exam (20%): There will be a final, two hour, cumulative final exam. The final exam has two parts:
a multiple choice section and a free response section. No calculators will be permitted on the final exam.
The final exam is a required class meeting that will not be rescheduled for discretionary reasons, including
conflicts with work schedules, conflicts with classes and exams at other colleges, and travel plans. The final
exam is scheduled for Friday, May 8, 4:25-6:25pm. The location will be announced on scholar.

Quizzes and Projects (20%): Every Tuesday and Thursday, we will have an in class quiz at the end of
class. These quizzes will be closed book and notes. At the end of the semester, two of these quizzes will be
dropped.

I will also assign some Matlab projects related to the material we are currently studying. We will talk
more about these when I assign the first one.

Homework (0%): Every class, I will assign a selection of homework problems and provide the corresponding
solutions. While not required, doing the homework is the best way to prepare for our quizzes and tests.
Work and Clarity
Mathematics is about communication, not just computation. All written work will be graded for clarity and thoroughness, not simply correctness. Also, no credit should be expected if no work is shown.

Make Up Policy
Make-up tests or quizzes will not be given. For an excused absence from a test, the final exam will substitute for that test grade. For an excused absence from a quiz, you will receive an extra drop. Projects will not be accepted late, with the potential exception of serious illness or personal emergency. Please notify the instructor immediately if a situation arises where you will need to be excuses from an assignment.

Grading Scale
Final course grades will be assigned as follows: 90% guarantees an A-, 80% guarantees at least a B-, 70% guarantees at least a C-, and 60% guarantees at least a D-.

Grading Appeals
If you believe that an error has been made in grading an assignment or test, please re-examine the problem as well as the solution and contact me the next day. Any appeal must be made within one week of graded work being returned. The amount of partial credit awarded on a particular problem is not subject to negotiation.

Calculator Policy
Calculators are not allowed on any exam or quiz.

Honor System
All assignments, tests, and quizzes submitted will be considered graded works and must be completed on an individual basis. While discussing assignments and getting help from available resources is both authorized and encouraged for out of class work, copying solutions from any source will be considered a violation of the honor code. If you have any questions about how the honor code applies to a particular situation, it is your responsibility to ask.

Math Emporium & Tutoring
The staff in the tutoring lab at the Math Emporium will be able to assist you with your questions. Since this course is not an Emporium course, it is not appropriate to approach the floor staff in the general area with your questions about Math 1226. The tutoring lab is open 4:30pm to 9:30pm Sunday through Thursday and from 10am to 1pm on Friday. Also, you may hire a private tutor by sending an email to MATH_TUTORS@listserv.vt.edu indicating your specific needs.

Disabilities
If you need adaptations or accommodations because of a documented disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible. To receive accommodations on any graded work, you must get documentation from Services for Students with Disabilities (http://www.ssd.vt.edu).

Classroom Courtesy
Please be courteous and respectful to your fellow students and the instructor. In particular observe the following:

1. Arrive to class on time and stay for the duration. If you know you need to leave early, please sit as close to the door as possible.
2. Don’t carry on conversations when the class is ongoing.
3. Silence all cell phones and other electronic devices while in class.
4. Computers and other devices can only be used in tablet mode for note-taking only.