Math 1225 Calculus of a Single Variable I (Fall 2016, CRN: 85217)
MWF 2:30-3:20pm WHIT 349
T 2:00-2:50pm PAM 32

General Information:

• Instructor: Jing Cui
• Email: jcui85@vt.edu
• Office Location: McBryde Hall 407
• Office Hours: MW 3:45-5:00pm, R 2:00-3:30pm or by appointment
• Course Homepage: www.math.vt.edu/courses/math1225
• WebAssign: www.webassign.net

Course Materials: We will be using the online homework system WebAssign, so you will need to at least buy the digital version of the textbook for this course.

Course Contents: Functions, limits, continuity, graphs, rates of change, derivatives, optimization, integration.

Prerequisites: To enroll in 1225 you must have one of the following

• A grade of B or better in any of Math 1014, 1015, 1016, 1025 or 1536.
• Two units of high school algebra, one unit of geometry, 1/2 unit each of trigonometry and precalculus AND placement by the Mathematics Department.
• A passing grade in the Calculus Readiness Exam.

Educational Objectives: Differential Calculus is the study of rates of change. Integral Calculus is the study of accumulation of change. You will learn how to find the rate of change of one quantity as a second quantity varies. You will also learn to answer questions about changing quantities.

Tutoring Information: Free tutoring is available in the Math Tutoring Lab at the Math Emporium from 4:00 pm to 9:00 pm, Sundays through Thursdays. Also, you could hire a private tutor by sending an email to math_tutors-g@vt.edu. Please indicate the course in the subject line of your email. Interested tutors will respond directly to you.

Communication: Notices and updates about this class will be sent to your official Virginia Tech email account. You are responsible for checking this account daily.
Grade Policy:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>WebAssign Quizzes</td>
<td>12%</td>
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<tr>
<td>Written Homeworks</td>
<td>15%</td>
</tr>
<tr>
<td>Exams:</td>
<td>48% (4x12% each, all free response)</td>
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<tr>
<td>Final Exam:</td>
<td>20% (10% multiple choice, 10% free response)</td>
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<tr>
<td>MATLAB Assignments, In-class Quizzes:</td>
<td>5%</td>
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A 90% will guarantee an A-, 80% a B-, 70% a C-, 60% a D-. Plus and minus grades will be assigned at the instructor’s discretion.

- **WebAssign Quizzes**: There will be twice a week online quizzes. Mostly they are due on Monday and Thursday, regardless of your class meeting times. You can access to WebAssign to check the due date and submit the quizzes. You will have two attempts at each quiz, and the higher of your two grades will be used. I will drop your lowest four quiz grades.

- **Written Homeworks**: I will assign written homework on every day’s material and collect it once a week. You are encouraged to study together on homeworks; however the final work must be your own. No late homeworks will be accepted. I will drop the lowest homework grade.

- **Common-time Exams**: There will be four common time exams and a common time final exam. The locations for the exams will be announced on the Math 1225 web page. Typically, they will not be the same as your lecture class. If it is to your benefit, your grade on the free response section of the final exam will replace your lowest test grade.

You must take tests on the specified date. If you have a verified conflict with the time scheduled for an exam, an alternative starting time for the exam on the same evening will be provided. Usually, makeup exams will not be given. If a student misses an exam for reasons that are serious, unavoidable, and beyond the student’s control, the situation will be handled on an individual basis. When possible, the student should notify the instructor before missing the work.

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 dates of the exams are September 14, October 12, November 2 and November 30 at 7pm. The final exam is Tuesday, December 13 at 1:05pm.

- **MATLAB Assignments and In-class Quizzes**: There are three MATLAB assignments that will be collected during the semester. Several announced or unannounced in-class quizzes will be given throughout the semester. There will be no make up quizzes.

- **Attendance**: Class attendance will be taken daily and kept for Mathematics Department records. Students are responsible for course materials and announcements covered in class.

- **Grading Appeals**: Specific grading disputes (points totaled incorrectly, partial credit appeals, missing assignments on Canvas, etc) should be brought to my attention within 1 week of return of the assignment. Appeals outside of this timeframe will not be considered.

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Honor Code: All assignments, tests, and quizzes submitted will be considered graded work and must be completed on an individual basis. No consultation is permitted on tests and in-class quizzes. Homework and WebAssign quizzes may be discussed with other students as well as with the instructor. However, in writing up an assignment to be handed in or in submitting solutions on a WebAssign quiz, each student
works alone (without other students or other students' papers) and certifies that what is written and/or submitted accurately represents the student’s own understanding of the material expressed in the student’s own words. In working, or in preparing to work, homework problems and WebAssign quiz problems, students may not consult partial or complete solutions of the problems that have been prepared by anyone else. The prohibited solutions include, but are not limited to, solutions by current or former teachers or students at VT or elsewhere, whether these solutions are posted on the web or available from other sources. The honor code applies to all graded work in this course.
The Undergraduate Honor Code pledge that each member of the university community agrees to abide by states: “As a Hokie, I will conduct myself with honor and integrity at all times. I will not lie, cheat, or steal, nor will I accept the actions of those who do.”
Students enrolled in this course are responsible for abiding by the Honor Code. A student who has doubts about how the Honor Code applies to any assignment is responsible for obtaining specific guidance from the course instructor before submitting the assignment for evaluation. Ignorance of the rules does not exclude any member of the University community from the requirements and expectations of the Honor Code.
For additional information about the Honor Code, please visit: https://www.honorsystem.vt.edu/

Caution: If you are not on the class roll that comes out after the last “add” date, you are not in the class. It is your responsibility to make sure you are attending the proper section. For no foreseeable reason (computer and/or registrar personnel mistakes included) will you be allowed to stay in the wrong section. Your work will not be graded. Simply attending a section will NOT entitle you to be placed on its roll.

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.

Classroom Courtesy: You and your classmates are here to learn, and that happens best in an atmosphere of mutual respect with freedom from distractions and disturbances. All of us should abide by the Virginia Tech Principles of Community.