Math 1225 Calculus (2015 Spring)
CRN 19556, MWF 11:15am – 12:05pm, SMYTH 232
*Additional time: Tues. 11:00-11:50 am MCB 329

Instructor: Xuping Xie xupingxy@vt.edu
Office Hours: MW 2:30 – 3:30pm, T 9:50 – 10:50am or by appointment
Office: McBryde 461 Chamber O
Textbook: Calculus: Early Transcendentals, 7th edition, by Stewart

Course Materials: The Math Department has recently changed textbooks, so you cannot use a textbook from a previous calculus course at Tech. We will be using the online homework system WebAssign, so you will need to at least buy the digital version of the text for this course.

Course Description and Prerequisites: We will cover the contents of the syllabus which involves differentiation. For more detail, please visit the course webpage:

www.math.vt.edu/courses/math1225

The prerequisites for taking this course are one of the following:

- A grade of B or better in 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 of the Mathematics Department.
- A passing grade in the Calculus Readiness Exam.

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

Grade Policy:

Exams: 48%
Final Exam: 20%
Matlab Assignments: 5%
WebAssign: 12%
Homework and In-Class Quizzes: 15%

While + or - grades will be given with my discretion, you are guaranteed at least: 90% → A-, 80% → B-, 70% → C-, 60% → D-.

Test Dates:

- Test 1: Monday, Feb. 23, 7:00-8:00 pm
- Test 2: Monday, Mar. 30, 7:00-8:00 pm
- Test 3: Monday, Apr. 27, 7:00-8:00 pm
- Final Exam: Wednesday, May 13, 7:45-9:45 am

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. In general, 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. If it is to your benefit, your grade on the free response section of the final exam will replace your lowest test grade. English is the required test language. 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.

**Homework:** Assignments will be announced regularly both in class and on Scholar most days and typically collected two classes later. For each assignment, some of problems will be selected randomly and graded for completeness, work shown, and correctness. The lowest two homework grades will be dropped. **Late assignments will not be accepted.** Also please focus yourself to write neatly or type your solutions.

**WebAssign:** There will be approximately 24 WebAssign quizzes. They will typically be due on Monday and Thursday. You will have two attempts at each quiz. The lowest four grades will be dropped at the end of the semester.

**MATLAB assignments:** There will be 3 MATLAB assignments in the whole class. Keep in mind that you must have the most updated version of Matlab program in your computer.

**Accomodations:** 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 notify me or make an appointment with me as soon as possible.

**Communication:** I will periodically send out information through Scholar announcements. You are required to check Scholar regularly for any class information sent this way. The best way to contact me is by email or in person.

**Expectations:**

- While you are encouraged to discuss your work and get help from all available resources (such as other students, tutors, or myself), work submitted for grading is to be completed **individually.** Copying from any source or inappropriate calculator or computer usage is considered an honor code violation and is taken seriously.

- Disruptive talking in class will not be tolerated. On the other hand, asking and responding to questions in class is strongly encouraged. Use of laptops or tablet PCs are permitted during class provided that they are in the FLAT-ON-THE-DESK position. Open laptops are a distraction to others and are not allowed. Cell phones should be in silent mode.

- Attendance will be taken each class period for Math department records. Attendance is especially important because of the condensed nature of the course. If you are late to class, please enter the room in a non-disruptive manner. If you need to leave early, please let me know before class begins, sit as near the exit as possible, and leave quietly.

**Tutoring:** Free tutoring is available in the Math Tutoring Lab at the Math Emporium from 4:30 pm to 9:30 pm on Sunday through Thursday and Friday 10–1pm. Also, you could hire a private tutor by sending an email to MATH_TUTORS@listserv.vt.edu addressing your specific needs.