Prerequisite(s): One of the following:

1. Placement by department upon enrollment (means high school requirements were satisfied)
2. At least B in MATH 1014, 1015, 1016, 1025, or 1536
3. Passing grade on calculus readiness exam

Course Description: Unified calculus course covering techniques of differential and integral calculus for functions of one variable. This sequence constitutes the standard first-year mathematics courses for science and engineering. Topics covered include but are not limited to limits, continuity, differentiation, transcendental functions, applications of differentiation, and an introduction to integration.

Course Material: I will be providing print-outs of notes that you may follow but you are more than welcome to take your own notes. We will be working out of the 8th edition of *Calculus: Early Transcendentals* by Stewart (Three versions: hardbound copy, loose-leaf binder, online access). Each comes with access to online system and ebook. Access to online system is required so you must purchase at least one of these versions! You will have two-weeks of free access to the e-book edition.

Grade Distribution:

- **Midterms (48%)** Four exams will be given on Wednesdays September 16, October 14, November 4, and December 2, each from 7-8 pm. Scheduling conflicts may be dealt with as they arise but must be brought up ahead of time to accommodate adjustments. If beneficial, your score on the final will replace the lowest of these four exam scores.

- **Final (20%)** The final is scheduled for **Friday, December 11th at 4:25 pm**. This exam will be cumulative and will have a multiple choice and free-response portion.

- **Homework (15%)** I will assign weekly written assignments. These may be typed or written. You will submit these assignments on Friday and receive them graded the following Monday.

- **WebAssign Quizzes (12%)** Online quizzes will be given twice a week. Of the two attempts you have for each quiz, the higher will be accepted.

- **In-Class Practice (5%)** I will provide opportunities for you to apply what you learn in class by attempting problems promptly after select lectures which will be meant to prepare you for successful completion of the weekly written assignments. These will be graded based on completion and solutions will be posted the evening of the day you submit them.

**Note:** In the grade distribution above, things like participation, attendance, and effort are not mentioned. While these facets of your educational experience do not explicitly represent any portion of your formal grade, you ought to consider them as requisite components of success. As such, I encourage you to work hard to evaluate and make adjustments to them as often as possible just as you would a homework assignment or course notes.
Course Policies:

• **General**
  - Check your email and scholar often for announcements regarding this course as you will be responsible for any information disseminated through those means!
  - The course homepage can be found at http://www.math.vt.edu/courses/math1225/
  - When in doubt, talk to me. If ever there is an issue with the course material, a scheduling conflict, a grading issue, etc. if you cannot find the answer on your own, talk to me and we’ll figure it out.

• **Grade Scale**
  - Grade Cut-offs: 90% or greater, A-; 80% or greater, B-; 70% or greater, C-; 60% or greater, D-;

• **Midterm 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.

• **Missed Exams**
  - 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.

• **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.

• **Honor System**
  - All assignments, tests, and quizzes submitted will be considered graded work and must be completed on an individual basis. Homework may be discussed with other students as well as with the instructor. However, in writing up an assignment to be handed in, each student works alone (without other students or other students’ papers) and certifies that what is written 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, 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. If you have any questions about how the honor code applies to a particular situation, it is your responsibility to ask.

• **Course Help**
  - If you need additional assistance you may find it at the math emporium in the tutoring lab (hours listed online). The lab is distinguished from the general computer area (the floor).

• **Disabilities**
  - If you require accommodations due to documented disabilities, need special arrangements in the event of an evacuation, or you’re required to share emergency medical information, please do so as soon as possible.