INSTRUCTOR: Quanlei Fang  
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WEB: (personal): http://www.math.vt.edu/people/qlfang  
(course): http://www.math.vt.edu/people/qlfang/2015_96229.html  
http://www.math.vt.edu/courses/math2015/  
http://learn.vt.edu

OFFICE HOURS: Tuesday and Thursday 10:30 AM to 12:15 PM and by appointment

Required Course Note Packet is available at the bookstores.

COURSE GOALS: Our objectives in this class include understanding antiderivatives, definite integrals, the Fundamental Theorem of Calc and elementary differential equations. The basic goal is to enable you to apply calculus methods to problems that may come up in your other courses and, eventually, in your field of specialization.

GRADING: The following percentages will be used in grading:
- 10% Homework  
- 9% In-class Assignments  
- 10% Lab Quizzes  
- 51% Tests (3 Tests) (17% each)  
- 20% Comprehensive Final Exam

POLICIES: Final grades: In general, a 10 point scale is used. + / - grades will be assigned at my discretion.  
A 90% will guarantee an A – an 80% will guarantee a B –  
a 70% will guarantee a C – and a 60% will guarantee a D –

CLASS: Every student in Math 2015, 96229 will attend 2 75 minute class sessions each week. The class will be in the scheduled classroom and will be the same days each week.

HOMEWORK: Text Homework:  
Homework will be collected each Tuesday in your lecture class. Each week’s problems are listed with the syllabus.  
Homework will be checked for completeness, work shown and correctness  
- 0 points Few problems attempted and / or correct, little or no work shown  
- 3 points All problems attempted  
- 5 points Two problems will be graded. You will receive an additional point each, if they are correct.  
No early or late papers accepted except that the instructor is notified about any emergency prior to the due date.  
Your 2 lowest homework assignments will be dropped.

IN-CLASS ASSIGNMENTS: Most days you will work on a quiz or a group work in class. These will be collected before you leave class and cannot be made up. The lowest 3 in-class grades will be dropped to allow for occasionally missing a class for whatever reason.

LABS: These projects will present a deeper look at some applications and will introduce you to the use of spreadsheet programs to analyze calculus problems. The labs use the software program Excel. 4 labs will be assigned. Check the syllabus for their due date. Each lab will have an on-line introduction available. The labs may be worked in groups. See the Honor Code statement for this class. The lab assessment will be an on-line quiz by the due date.
**TESTS:** 3 tests will be given throughout the semester. Makeup or early tests will be given for excused absences only. Excused absences consist of medical problems or emergencies approved by me BEFORE the test is given. Unexcused absences will result in a zero score. Tests will be given at 7 PM on the dates listed on the syllabus.

**Test 1** – September 20;  
**Test 2** – October 24;  
**Test 3** – November 29.

**FINAL:** There will be a common comprehensive final exam given on Wednesday, Dec 12th, @ 11:05 AM.

**MAKE-UP POLICY:** Make-up tests or in-class assignment will not be given. Late work will not be accepted. (Exceptions to the late-work policy may be made for individuals in the event of serious illness or personal emergency at the instructor’s discretion; contact the instructor immediately if such a situation arises. Exceptions generally will be made only if the instructor is notified about any emergency prior to the due date of any affected graded work.)

**HONOR SYSTEM:**
- The Virginia Tech Honor Code applies to all graded work in this course. Students are responsible for understanding and adhering to the Honor Code. Among other things the Honor Code prohibits giving or receiving unauthorized aid, assistance, or unfair advantage on academic work, and it prohibits plagiarism.
- You will be expected to pledge all tests and the final exam, that the work is your own. Calculators may be used and are sometimes necessary. Cell phones are not permitted during a test.
- You are encouraged to seek help from any available resource on homework and worksheet assignments, but each individual (or group, when applicable) must do an individual write-up.
- Copying another group or individual's work is strictly prohibited.
- **For all lab assignments if done in groups:**
  - All members must be present (at the same place at the same time at the same computer), during the write-up of all answers and explanations to all problems in the lab.
  - Only your group members will have participated in your final write-up.
  - Your use of a completed worksheet for a quiz signifies that you contributed significantly to the work, that you accept responsibility for the completed lab and that all of what is written accurately represents your understanding of the material.
- You are encouraged to work together on in-class assignments. However, the completed work signifies your knowledge and understanding of a topic.
- Classroom behavior affects the individual student and his/her fellow students. You are expected to respect your classmates and instructor. From Section V.e.-Class Attendance and Classroom Conduct of the Student Life Policy: The professor has the authority to determine acceptable classroom conduct for his or her students as long as those decisions do not infringe on the students’ rights. Disruptive classroom conduct may be considered disorderly conduct; i.e., behavior that disrupts or interferes with the orderly functioning of the university, disturbs the peace, or interferes with the performance of the duties of university personnel. When considered in violation of this policy, you will be asked to leave the classroom.
- The Honor Code applies to signing the attendance sheet and in-class assignments.

**YOU ARE RESPONSIBLE FOR MISSED CLASSES AND ANNOUNCEMENTS.**

Math 1016 is a PREREQUISITE FOR THIS COURSE.
Math 2015 partially duplicates Math 1206. See me if you already have credit for 1206.

FROM the MATH DEPT: If you are not on the class roll that comes out after the last add date, immediately check your schedule at a terminal and start attending the proper section. For no foreseeable reason will you be allowed to stay in the wrong section or to drop a section for which you are actually enrolled after the last drop date. By simply attending a section you will not be placed on its roll.

Any student with special needs or disabilities should schedule a time to come see me as soon as possible.