MATH-2015, CRN: 13943
ELEMENTARY CALCULUS WITH TRIG II
Spring 2009, M W: 4:00-5:15 PM, MCB-332

Course Contract

Instructor: Mohamed BEN ROMDHANE
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Office hours: Tue, Thu: 10:15 – 11:45 AM, or by appointment.
Web: Course web page: http://www.math.vt.edu/courses/math2015/
   Personal home page: http://www.math.vt.edu/people/mbenromd/index.html
   Blackboard: http://learn.vt.edu

Required Course Note Packet is available at the bookstores.

Course Content
We will cover the material listed on the course syllabus. We will cover anti-derivatives, definite
integrals, the Fundamental Theorem of Calculus and elementary differential equations. By the
end of the course, you should be able to apply calculus methods to problems that may come up
in your other courses and, eventually, in your specialization field.

Course Format
Lecture classes will meet on Mondays and Wednesdays from 4:00 – 5:15 p.m. Class attendance
will be taken and recorded.

- 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.
HW: Written homework assignments are posted on the course web page, with the syllabus at: http://www.math.vt.edu/courses/math2015/sylS09MW.pdf. Homework will be occasionally collected in the first lecture class of the week (without previous announcement) and graded. Each week’s problems are listed with the syllabus. Homework will be checked for completeness, work shown and correctness.

GRADING HOMEWORK ASSIGNMENTS:

1 point: 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 late papers will be accepted; however your 2 lowest homework assignments will be dropped. Students may work together on daily homework, but each student has to return his or her own material; copying of work is not permitted.

In-class Quizzes: Every Monday, there will be a short quiz administered based on previous week material. You will only have from 4 PM until 4:15 PM to complete the quiz. There will be NO make-up quizzes and NO extensions. Each quiz paper must be handed in no later than 4:15 PM. If you arrive to class between 4 and 4:15 am, you may take your quiz, but you must turn it in to me by 4:15 PM. There may be some take-home quizzes given periodically throughout the semester. Your 2 lowest quizzes grades will be dropped to allow for occasionally missing a class for whatever reason.

GRADING IN-CLASS ASSIGNMENTS: The assignments will receive a numeric grade of 1, 3, or 5. The problems will be examined and you will receive:

1 point if answer is completely wrong but was turned in
3 points if problem is attempted but contain errors
5 points if problem is correct

Tests

There will be 3 common-time exams throughout the semester. Makeup or early tests will be given for excused absences only. Excused absences consist either of medical problems or emergencies approved by me BEFORE the test is given OR a letter documenting an excused absence from the Dean of your college. Unexcused absences will result in a zero score. Tests will be given on Thursday evening at 7 PM of the week listed on the syllabus. They are (tentatively) scheduled for:

1. 7:00pm, 19 February 2009
2. 7:00pm, 02 April 2009
3. 7:00pm, 30 April 2009

The final exam will be Friday, 08 May 2009, 4:25 pm - 6:25 pm.
Grading

The following percentages will be used in grading:

- **10%**: Homework
- **09%**: In class Quizzes
- **10%**: Lab Quizzes
- **51%**: Tests (3 Tests, 17% each)
- **20%**: Comprehensive Final Exam

Regarding final grades, a **90%** will guarantee an A-, **80%** will guarantee a B-, **70%** will guarantee a C-, and **60%** will guarantee a D-. Plus and minus grades will be assigned at my discretion.

Attendance

Attendance will be recorded during each lecture. Attendance does not count as part of the grade; but you are responsible for any announcements made in class, and for any material and assignments missed.

Help at the Math Emporium

Please NOTE that The Math Instructional Assistants in the General Computer Area of the Math Emporium only provide help for the Emporium based courses that do not have a lecture class. Assistance for Math 2015 students at the Emporium is only available in the evening Tutoring Lab.

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 that the work on all tests and the final exam 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’s or individual’s work is strictly prohibited.

For all lab assignments, if done in groups, the following are applicable:

- 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.

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.

Important notes

- YOU ARE RESPONSIBLE FOR MISSED CLASSES AND ANNOUNCEMENTS.

- PREREQUISITE FOR THIS COURSE: Math 1016

-NOTE: 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 official class roll, you are not in the class. It is your responsibility that you are properly enrolled in the class section you attend. It is easy to verify. 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 and returned. Simply attending a section will NOT entitle you to be placed on its roll.

- Students with disabilities: If you need adaptations or accommodations because of a disability, please make an appointment with me as soon as possible.