Mathematics 1210- Calculus one

Fall 2007

Instructor: Julian D. Chan

Class Time and Place: 11:50-12:50 Monday, Tuesday, Wednesday, and Fridays in AEB 350.

Office Hours: To be announced. Students can also e-mail questions or set up a time to meet if students have a conflict with my office hour (I will do my best to make accommodations for students.)

Office Location: JWB 221
Office number: 5859114
E-mail address: julian@math.utah.edu (Note this is the best way to contact me. It would help if you put math 1210 in the subject line.)

Web page: https://www.math.utah.edu/~julian

Students will need to check the web page and e-mail on a daily basis for various reasons such as course announcements and assignments. As such students are responsible for making sure that the e-mail address listed with the university is up to date and that students are able to receive and read messages daily. Failure to do so may prevent you from receiving important information of which you will be accountable.

Text: Calculus, ninth edition, by Varberg, Purcell, and Rigdon

Prerequisite: Math ACT score of 28 or grade of C or better in MATH 1050 and 1060. Students should also have a good foundation in college algebra and trigonometry.

Course Description: Functions and their graphs, differentiation of polynomial, rational and trigonometric functions. Velocity and acceleration. Geometric applications of the derivative, minimization and maximization problems, the indefinite integral, and an introduction to differential equations. The definite integral and the Fundamental Theorem of Calculus. The main topics of this course are limits, continuity, derivatives, integration, applications. Be aware that this is a fast paced course and will require complete attendance and dedicated out of class work. Success in Math 1210 requires a solid background in both College Algebra and Trigonometry. Students that are adequately prepared should expect to spend a minimum of two hours of work outside of class for each credit hour. This is a minimum of 8 hours per week outside of class for Math 1210. Much more time may be required to achieve excellence. Simply being attentive in class will not be sufficient, since there will not be time in class to cover everything in the book. Since the vast majority of your learning will take place outside of class, it is you, not your instructor, who is primarily responsible for what you learn.

Tutoring Lab: Free tutoring is available through the T. Benny Rushing Mathematics Center (adjacent to JWB & LCB), room 155. For more information, please see their website http://www.math.utah.edu/~julian

Calculators: You may not use a calculator on the tests or quizzes (unless otherwise stated) !!!

Grading: The grades will be calculated as follows:
- Quizzes and (weekly) Homework 25%
- Exam I 15%
- Exam II 15%
- Exam III 15%
- Final Exam 30%

(Note: There will be 3 exams. Your lowest midterm score will be averaged. This average will be over all 3 exams will replace your lowest exam grade and will count toward your final grade.)

Exam Days:
- Exam I: September 10th 2007
- Exam II: October 16th 2007

Final Exam: December 12th 2007 10:30-12:30 in AEB 350.

Note: A make-up exam or quiz will only be given in EXTREME cases!!! Telling me you have to work that night or that traffic is bad is not a good excuse. A good reason to miss an exam is a car accident, death in the family, surgery. If you let me know well in advance that you cannot make an exam or quiz we might be able to work something out so please talk to me in advance about these situations.

Homework: Generally will be due on Tuesday (but will not always be the case) after our problem session. Homework and quizzes will be announced on my web page (or in class). Students are responsible for checking the class web page and coming to class everyday so that they know what homework is due. The homework session will be held in our regular class period on the day that the homework is due. You should take the homework assignments very seriously as it is worth 25% of your grade which is more than an exam, and just a little less than what the final is worth. Your written solutions should contain enough explanation so that one of your classmates would be able to easily understand what you have done. Generally, it is inadequate to merely write down a final answer. The style of your written solutions should be very much like that of the examples from class and from the text book. You are encouraged to study and work together on homework assignments, but you must each submit your own work. Everything you submit should be in your own words and you should thoroughly understand everything you write down. If there is something that you don’t think you understand, please come talk with me. I recommend paying close attention to your homework scores and to try to get full credit on all of your homework. Your lowest three homework scores will be dropped and will not be applied towards your final grade. Students can turn in their homework after class or slip it under my office door by 4:30 P.M.

ADA Statement: The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systematic, learning, and psychiatric disabilities. Please contact me at the beginning of the semester to discuss any such accommodations you may require for the course.

Grading Scale:
- A 93-100
- A- 90-92
- B+ 87-89
- B 82-86
- B- 79-81
- C+ 76-78
- C 71-75
- C- 68-70
- D+ 65-66
- D 60-64
- D- 57-59
- E <58

A note on the grading scale: I reserve the right to change the grading scale and grading policy.

Important Dates:
- Last day to drop: Wednesday, August 29.
- Last day to add, elect cr/ncr, or audit: Tuesday, September 4.
- Last day to withdraw: Friday, October 19.
- Last day of class: Friday, November 30.

Holidays (NO CLASS)
- Labor Day Monday, September 3.
- Fall Break, Moto-Sat, October 6-13.
- Thanksgiving Thurs.-Fri., November 22-23.

Decorum: The purpose of this class is to allow me to assist you, the students, to learn calculus. It is not to allow anyone (including myself) to show off or to belittle or demean any other person. There is no competition for grades or favor, so such behavior will not be tolerated. If there are any comments, remarks, or suggestions that you have you can feel free to give them to me.