MATH 1210 Sec. 2 MTWH 12:00 - 1:30 PM, Room: AEB 320

Instructor: Derrick Wigglesworth
Office: LCB Loft
Office Phone: 801-581-7653
Email: derrick.wigglesworth@gmail.com
Website: `http://math.utah.edu/~dwiggles/`

Course Website: The course website can be accessed through my homepage. Homework assignments and all course materials will be posted to the website weekly. Additional resources can also be found on the course website.

Office Hours: Mondays & Wednesdays immediately following class *OR* by appointment.

Textbook: *Calculus with Differential Equations (Ninth Edition)*, by Varberg, Purcell, & Rigdon. ISBN: 0-13-230633-6.

Prerequisites: An Accuplacer CLM score of 95 or better *OR* AP Calculus AB score of at least 3 *OR* a grade of C or better in MATH1050 and MATH1060.

Grade Policy: The grades will be calculated as follows:

Homework	30%
Midterm 1	15%
Midterm 2	15%
Midterm 3	15%
Final Exam	25%

I will post grades online on Canvas. Canvas can be accessed easily from the main University of Utah webpage. You can log in using the same username and password that you use for Campus Information Services. You should check that your scores on Canvas agree with the scores on your returned work as I can make mistakes.

Course Objectives: The student should leave this course with the ability to:

- analyze and evaluate limits (including infinite limits) graphically, numerically, and analytically.
- analyze functions for continuity
- evaluate derivatives using limits
- memorize and apply basic differentiation rules (including the product, quotient, and chain rules) to find derivatives
- evaluate derivatives by implicit differentiation and compute related rates
- apply differentiation techniques to evaluate higher order derivatives
- apply differentiation techniques to identify (relative and absolute) extrema
- apply differentiation techniques to optimization problems
- demonstrate knowledge of curve sketching
- interpret and apply integration as area through Riemann Sums and definite integrals
- apply the First and Second Fundamental Theorems of Calculus to evaluate definite integrals
- apply the Mean Value Theorem for Integrals
- apply integration techniques to compute the area of regions in the plane
- apply integration techniques (including the disk, shell, and washer methods) to compute the volumes of solids
- compute the length of a plane curve using integration techniques

Calculators: I will NOT allow calculators on exams.

Homework: There will be two homework assignments each week. Homework assignments will be posted to the course website and will be due in class every Tuesday and Thursday, with possible exceptions for weeks in which there is an exam. I will not accept late homework. **Homewok must be stapled. Homework held together with paper clips, folded edges, tape, etc. will not be graded.**

Academic (Dis)Honesty: Academic dishonesty will not be tolerated. If you cheat on a homework, quiz, exam or other assignment, I will give you a zero for that grade. Depending on the severity, I may decide to fail you from the class. In all cases, I will report the incident to the Dean of Students.

Extra Help: Do not hesitate to come to my office during office hours or by appointment to discuss a homework problem or any aspect of the course. You also may want to consider the Math Department Tutoring Center located in LCB 155. Information is available at: `http://www.math.utah.edu/ugrad/tutoring.html`. If you want to hire a private tutor, you can contact University Tutoring Services in 330 SSB. There is also a list of tutors in the Math Department Office (JWB 233).

University Attendance Policy: Students are expected to attend classes regularly. An excessive number of absences may result in failing my course.

Important Dates:

Last Day to Add	June 12
Last Day to Drop	June 12
First Midterm	June 20
Second Midterm	July 3
Third Midterm	July 18
Final Exam	August 2 10:00-12:00

Students with Disabilities: The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations.

All written information in this course can be made available in alternative format with prior notification to the Center for Disability Services.

Important Note: This is a condensed summer course. We will cover the same amount of material as a 14-15 week full semester course in only 8 weeks. As a result, the course will move very quickly. To succeed in this class, you will need to devote a significant amount of time to learning the material every day. You will need to grasp concepts and internalize them very quickly.

Other Policies:

1. I do not allow the use of computers in my classroom.
2. There will be no retakes of exams. Ever.
3. You may take an alternate exam if you talk to me about it first and explain the extenuating circumstances. It is your responsibility to communicate with me as soon as possible, *before* the exam occurs. I reserve the right to make the alternate exam more difficult than the scheduled exam.
4. If you have circumstances which require flexibility, it is *your* responsibility to communicate with me as soon as possible. The longer you wait, the less willing I am to be accomodating.
5. If you have questions about or problems with an exam grade, you must bring them to my attention within one week of recieving your exam.
6. I will not offer any extra credit at the end of the semester or any other means for you to improve your grade at that time.
7. I reserve the right to alter these policies at any time as I see fit. If such changes are made, I will notify the class via email and post the updated syllabus to the course webpage.