Instructor  Alexander Balk, balk@math.utah.edu, JWB 304, 801-581-7512
  Lectures:    Mo Tu We Fr 7:30-8:20, SFEBB 110 (in-person, 4 credit hours)
  Office Hours:  ?

Polls & Questions I will be polling the class; you will need to respond to the polling questions with your phone (or computer).
You will also have the possibility to ask me questions anonymously and vote them up/down.

TA Teaching Assistant and Lab Instructor ?, ?, ?@math.utah.edu, 801-58?
  Labs: Sections 010 (Th 8:35-9:25, Canvas) and 011 (Th 7:30-8:20, Canvas)
  Office Hours:  ?

LA Learning Assistant ?, ?@math.utah.edu, 801-58?

  Chapters: 1 - beginning of 6

Grading The grade for the class will be calculated as follows:
Policy
  10% - HW: Weekly homework
  20% - Lab: Weekly laboratory
  40% - Qz: Weekly in-class quizzes
  30% - Final: Comprehensive written concluding exam and oral final interview

The scale for the total grade (%):

  A (95-100),   A- (90-94),
  B+ (85-89),   B (80-84),   B- (75-79),
  C+ (70-74),   C (65-69),   C- (60-64),
  D+ (55-59),   D (50-54),   D- (45-49),   E (0-44)

HW Homework assignments will be posted in Canvas usually on Tu. You will need to upload your solutions into Gradescope (access via Canvas) during the week ending Mo, 11:59pm.
You will be able to see your graded HW with grader’s comments in Gradescope.

Lab You consider more complicated problems in smaller groups during Lab sessions.
You start solving these problems in class and complete at home; solutions are graded by the TA.
Problem set is started on Th and due the following Th.

Qz The quizzes are held during the first 20 min of class on We.
The Qz questions are similar to the questions previously considered in Polls (recently and earlier).
Your response to quiz question should contain not only the answer considered in the corresponding poll, but also the justification for your answer, which is discussed during the lecture.
During in-person weeks, I upload your Qz. During IVC weeks, you have an extra 5 min to upload your quiz.
I grade your Qz, and after each quiz, I ask several students to explain their solutions and to answer some basic questions about the material studied up to date.

Final The Final consists of two parts: (1) written exam (which you upload to Gradescope) and
(2) oral interview (via Zoom) with TA and me (you will need to sign up for a 20 min appointment).
The problems of the concluding exam are similar to the ones in Lectures, Quizzes, Labs, and HW.
During the final interview, you can be asked to explain your solutions in the concluding exam and to answer some basic questions (similar to the ones in Polls and Quizzes) from the entire course.

You need to solve all Qz problems without books, notes, and electronics (including simple calculators).
For any problem, just the correct answer (without derivation or explanation) hardly costs anything.

The first Poll is during the first lecture, on the first Mo. The first Quiz is on the first We.
The first HW is assigned on the first Tu and is due before 11:59 pm on the second Mo.
Major Objectives - What you definitely need to learn in this class:

1. Geometric and physical meaning of derivative and integral.
   Rules/methods of differentiation and integration.

2. Using derivatives to understand behavior of a function and sketch its graph.
   How to find maxima/minima. How to find roots.

3. The Fundamental Theorem of Calculus.
   How to find integral quantities (such as volume, arc length, mass, and various others).

Clearly, you are interested in learning Calculus I, which is basic to all future classes. (Cheating is senseless.)
My goal is to make your learning effective and fast. Please attend all lectures and participate in all polls.
If something is unclear, please ask me. Otherwise, small misunderstanding can cause significant problems later.
I would be very happy to discuss your questions.

Late/missing work  It is important that you complete all your work on time (and understand the next material).
[My experience shows that once someone falls behind, then it is very hard for him/her to get back on track.] So, please, no late HW and no make-up of missed Qz. I will drop two lowest scores in HW and in Qz.

Prerequisites "C" or better in
(Math1050 “College Algebra” AND Math1060 “Trigonometry”) OR Math1080 “Precalculus” OR
[Math1060 “Trigonometry” AND (Accuplacer AAF score of 263+ OR Accuplacer CLM score of 80+)] OR
AP Calculus AB score of 3+ OR Accuplacer AAF score of 276+ OR Accuplacer CLM score of 90+
OR ACT Math score of 28+ OR SAT Math score of 650+ OR Department Consent.

You must self-report if you test positive for COVID-19 via coronavirus.utah.edu. Please do not come to class if you are experiencing COVID-19 symptoms. Remember to maintain social distancing at all times. Face coverings are required for students and faculty.

Based on CDC guidelines, the university requires everyone to wear face covering in shared public spaces on campus, including our classroom. As a reminder, when I wear a face covering, I am protecting you. When you wear a face covering, you are protecting me and all of your classmates. If you forget your face covering, I will ask you to leave class to retrieve it. If you repeatedly fail to wear a face covering in class, I will refer you to the Dean of Students for a possible violation of the Student Code. Note that some students may qualify for accommodations through the Americans with Disabilities Act (ADA). If you think you meet these criteria and desire an exception to the face covering policy, contact the Center for Disability and Access (CDA). Accommodations should be obtained prior to the first day of class so that I am notified by CDA of any students who are not required to wear a face covering.

The University of Utah is fully committed to policies of nondiscrimination and equal opportunity. ADA requires that reasonable accommodations be provided to qualified individuals; if you need such accommodation, please provide CDA with a prior notice. The University of Utah values the safety of all campus community members; to report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677); for more information and to view training videos, visit safeu.utah.edu.

Time-line:

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I am happy to stay after lecture on Tu to discuss your questions. I have another class immediately after ours on MWF.
The Marriott library loans laptops and suggests WiFi options: https://lib.utah.edu/coronavirus/checkout-equipment.php