

Math 165 - Calculus I
Section 2M

Fall 2000

Instructor: Dr. Brian Heck
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Office Hrs: MWF 9:30-10:30
11:30-12:30
TTH 10:20-11:35
1:10-2:25

Prerequisites: Math 102 or 108 (with a C or better) or advanced placement.

Text: Calculus (8th ed.) by Varberg, Purcell, Rigdon (Prentice Hall)

Calculator: We will at times make use of calculator technology. You will need to have a scientific calculator and be able to use it efficiently.

Course Description (catalog): Limits, derivatives and integrals of algebraic functions, applications of derivative and integrals.

Course Objectives: To learn as much calculus as humanly possible in one semester.

Instructor Expectations: Come to class prepared (with text and fully aware). In order to understand what we are doing in class, it will be necessary for you to do problems outside of class, and it would be beneficial to you to read the text prior to our covering the material in class. You will be required (on all exams) to demonstrate knowledge and understanding of the material.

Grading Policy:

Board Work100 pts
Tests (5)500 pts
Final Exam.....200 pts
800 pts

Grading Scale:

A: 720-800 pts
B: 640-719 pts
C: 560-639 pts
D: 480-559 pts
F: less than 480 pts

Every (non-test) Friday (approx. 9 Fridays) we will put problems on the board. I will (somewhat) randomly pick problems from the homework, and ask students to write their solutions on the board and explain them. You will be graded on each problem, and also on how many you present. If you miss one of the exams, you will not be allowed to take a make-up exam without a valid excuse and prior notice. Homework problems not presented at the board are also important. Repetition is one of the best ways to learn something, especially mathematics. Additionally, although non-presented problems do not directly affect your grade, they often find their way onto quizzes, tests, and/or finals.

Attendance: I will not include attendance as part of your course grade. I am not your mother or your parole officer, and this is not high school. I do, however, expect you to attend everyday. You are responsible for any and all material covered in class. If you miss any class, it is up to you to meet with me (if necessary) and catch

up on the material you missed.

Approximate Class Schedule:

Chapter 2: Sections 4-9

Test 1 (Friday, September 1)

Chapter 3: Sections 1-10

Test 2 (Friday, September 22)

Chapter 4: Sections 1-7

Test 3 (Friday, October 13)

Chapter 5: Sections 1-8

Test 4 (Friday, November 3)

Chapter 6: Sections 1-6

Test 5 (Wednesday, November 22)

Final Exam (TBA)

Closing Remarks:

You are at a university, not a trade school. The goal is intellectual development and knowledge for knowledge sake. If you want to only learn what you need to get a job, go somewhere else.

Do not ask me why you need to learn the material we are currently learning. The answers are (1) because it will be on the final (2) because this is what calculus is, and any course called Calculus should cover this, and (3) because I say so. If during the semester you get the urge to ask me why we are learning something, re-read this paragraph. If you are still unsure, see (3) above.

It is assumed that you are attending this university because you have a desire for higher learning. It is therefore expected that you will pay attention, be respectful of your instructor and fellow students, and follow the Code of Student Conduct. Instances of academic dishonesty will be dealt with severely. If you are caught cheating, you will fail this course. Similarly, if you are a disruptive presence in the classroom, you will be dropped from the class.

Important Dates:

Final Date to Add Courses or Drop Without a "W" - **Wed, August 23**

Final Date to Drop Courses With a "W" - **Mon, October 30**