

Homework and class schedule for Calculus 1. Professor Decker

Wednesdays 5:30-9PM Spring 2009 Stewart's Essential Calculus.

January 21 : Sections 1.1-1.4 Precalc review and intro to limits

pp 8-10 section 1.1 # 1,3,7,15,19,23,27,33,37,39,53,55,57,79,61

pp 21- sect 1.2 #7,17,19,21,23,29,33,41,45,51,55,57

pp 33- sect 1.3 # 1,3,5,15,21 bonus: 31,43

pp 43- sect 1.4 # 1-23 odd, 43,45,47

January 28 SNOW DAY

February 4

- Section 1.5 Continuity p.54, #3,7,11,13-16,17,21,25,29,31,33,35,37,41,47 (a famous problem to ponder)
- Section 1.6 Limits at Infinity p.66, #1,5,7,9,13-33 odd, 41,43,45
- Review Exercises for ch 1, p.69, concept check and true-false quiz
- Section 2.1 Derivatives and rates of change p. 80 #1-17 odd, 23,27,37,39,41,47
- Section 2.2 The derivative as a function p. 91 #1-13 odd, 17,23, 27,33,35,36,41

February 11

- TEST on Chapter 1
- Section 2.3 Basic Differentiation Formulas p. 104 #1-35 odd, 47, 49
- Section 2.4 Product and Quotient Rules p.111 #1-23 odd, 27, 33, 37, 47,49, 55 (just read).

February 18

- Section 2.5 Chain rule p. 119 #1-29 every other odd, 23, 37, 39, 45,59, 67
- Section 2.6 Implicit Differentiation p 125 # 1,5,7,19,25, (just read 33,37)
- Section 2.7 Related Rates p 131 #1,3,5,9,13,25,13,31

February 25

- Section 2.8 Linear Approximations and Differentials p 137 #1,11,17,19, 23, 25
- Review Ch 2.
- Sections 3.1, 3.2,

March 4

- Test Ch 2
- Sections 3.3 3.4

March 11
Sections 3.5, 3.6, 3.7
March 18 Spring Break, no classes

March 25
Test Chapter 3
Sections 4.1 , 4.2

April 1
Sections 4.3, 4.4, 4.5

April 8
Test Chapter 4
Sections 5.1, 5.2

April 15
Sections 5.3,5.4, 5.5

April 22
Sections 5.8, 7.1

April 29
Test Chapter 5
Section 7.2

May 6
Review

May 13
Final Exam on entire semester