

# MATH 210: CALCULUS I

## HOMEWORK: FALL 2014

Due Date		Assignment
8/27	Homework 1	Section 1.1 #31, 38, 44, 66 Section 1.2 #18, 25, 28 Section 1.3 #21, 34
8/29	Homework 2	Section 1.4 #10, 18, 22, 32 Section 1.6 #6, 22, 26, 28
9/1	Homework 3	Section 2.1 #1, 8, 10, 24 Section 2.2 #12, 17, 22, 38
	Rewrite 1	One problem from HW 1
9/3	Homework 4	Section 2.3 #18, 24, 26, 33 Section 2.4 #12, 20, 60, 64, 76
9/5	Homework 5	Section 2.5 #6, 10, 31, 40, 49, 54, 56
9/8	Homework 6	Section 2.6 #3, 8, 20, 22, 30, 40, 48
	Rewrite 2	Two problems from HW 2, 3, 4
9/10	Homework 7	Section 3.1 #2, 11, 12, 18, 34, 38, 43
9/12		EXAM 1
9/15	Homework 8	Section 3.2 #4, 16, 28, 36, 43, 50, 68
	Rewrite 3	Two problems from HW 5, 6, 7
9/17	Homework 9	Section 3.4 #8, 14, 21, 26
	MANUSCRIPT 1	
9/19	Homework 10	Section 3.4 #36, 38, 44 Section 3.3 #20, 21, 34, 40 Section 3.5 #21, 26
9/22	Homework 11	Section 3.5 #36, 40 Section 3.6 #5, 12, 21, 28, 36, 41, 50
	Rewrite 4	One problem from HW 8, 9
9/24	Homework 12	Section 3.7 #8, 16, 27, 44, 46, 51, 78
9/26	Homework 13	Section 1.5 #4, 15, 30, 40 Section 3.8 #10, 18, 28, 38
9/29	Homework 14	Section 3.9 #23, 29, 32, 40, 46, 78
	Rewrite 5	Two problems from HW 10, 11, 12
10/1	Homework 15	Section 3.10 #10, 16, 32,
10/3		EXAM 2
10/6	Homework 16	Section 3.10 #36, 39, 40, 58
	Rewrite 6	Two problems from HW 13, 14, 15
10/8	Homework 17	Section 3.11 #3, 9, 12, 22, 28, 29, 30

Due Date		Assignment
10/10	Homework 18	Section 4.1 #7, 8, 20, 25, 30, 34, 42, 47, 63
10/20	Homework 19	Section 4.2 #5, 12, 16, 18, 39, 44, 52
	Rewrite 7	One problem from HW 16, 17
10/22	Homework 20	Section 4.7 #3, 4, 12, 20, 35, 38, 43
10/24	Homework 21	Section 4.3 #8, 14, 26
	MANUSCRIPT 2	
10/27	Homework 22	Section 4.3 # 42, 51, 62
		Section 4.4 #2, 7, 18, 19, 26, 40, 57
	Rewrite 8	Two problems from HW 18, 19, 20
10/29	Homework 23	Section 2.7 #8, 9, 16
10/31		EXAM 3
11/3	Homework 24	Section 2.7 #19, 34, 43
	Rewrite 9	Two problems from HW 21, 22, 23
11/5	Homework 25	Section 4.5 #12, 20, 25, 26, 32, 44, 46, 57
11/7	Homework 26	Section 4.6 #18, 28, 31, 42, 55, 60
11/10	Homework 27	Section 4.9 #4, 16, 22, 28, 36, 44, 52, 64
	Rewrite 10	One problem from HW 24, 25
11/12		NO CLASSES
11/14	Homework 28	Section 5.1 #14, 22, 28, 34, 55, 60
11/17	Homework 29	Section 5.2 #6, 8, 14, 25, 46, 58, 66
	Rewrite 11	One problem from HW 26, 27
11/19	Homework 30	Section 5.3 #10, 14, 22, 25
11/21		EXAM 4
12/1	Homework 31	Section 5.3 #30, 38, 46
		Section 5.4 #4, 28
	Rewrite 12	Two problems from HW 28, 29, 30
12/3	Homework 32	Section 5.5 #2, 9, 16, 20, 21
	MANUSCRIPT 3	
12/5	Homework 33	Section 5.6 #10, 32, 33, 55, 62, 70, 74, 84, 85
12/8	Homework 34	Section 5.7 #6, 9, 14, 28, 42
		Section 5.8 #1, 14, 26, 36
	Rewrite 13	One problem from HW 31, 32
12/10	Rewrite 14	One problem from HW 33
		One problem from each exam

## Homework Grading Policies

Homework has two parts, new problems from the book and rewrites.

### Guidelines for New Problems

Between 2 and 4 of the new problems will be chosen to be graded in a qualitative way (comments only) as well as for completion. In other words, whether or not your solution is correct, you will receive a point for each of the chosen problems that you made an honest attempt at.

What counts as an “honest attempt” is at my discretion. Some tips:

- Just rewriting the question, or even rewriting the question and writing some disjointed formulas or numbers, will not earn credit. Some attempt must be made to use the formulas you have chosen.
- You are much more likely to convince me that you made an honest attempt if you explain what you tried, even if you didn't complete the problem. Write some sentences about what you are doing, whether or not you reach a conclusion. Your solutions should be easy to follow and read.

### Guidelines for Rewrites

Rewrites are meant to give you a chance to reflect on the mistakes you've made and correct them. The goal should be to turn in a perfect solution to a problem that you struggled with at first. Your solution should be clear, correct, and concise. Guidelines for the rewrites are as follows.

- Please turn in your original homework assignment with the rewrite.
- When your original homework is graded, the best problems to be rewritten will be marked.
- Each rewrite will consist of two problems, chosen (by you) from the marked problems. Try to choose the two problems you feel have the most room for improvement. Prioritize mathematical misunderstandings first, and clarity of writing in close second.
- If the assignments to be rewritten are absolutely flawless, you may turn in your flawless homework again and receive full credit for the rewrite. (But if there is room for improvement, you won't get credit!)
- Rewrites will be graded for correctness, completeness, and clarity on a 4-point scale.