

MATH-1310-01 (Honors) Consolidated Calculus – Fall 2016

Class: MWF 11:00 AM – 11:50 AM, Gibson 126A

Textbook: *Calculus: Early Transcendental*, 8th edition, by James Stewart

Instructor: Kun Zhao

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Office Location: Gibson 411

Office Hours: MWF 10:00 AM – 11:00 AM, or by appointment

Teaching Assistant: Sushovan Majhi

Lab: Tuesday 2:00 PM, Gibson 126

We will cover material from Chapter 1 through 11. The material before the first test will be mostly a review of Calculus I. We assume that you have all seen the material in Calculus I (through Chapter 5).

Students *without* prior credit but who nevertheless feel they are at this level (for example those who received an AP score 3) are encouraged to start 1310. Their performance will be assessed after the first test, and some who do poorly may be wise to drop the course and enroll in Math 1210 at that time. The Mathematics Department will facilitate these course changes.

The Tuesday labs will be help sessions in which the lecture material is reviewed and homework problems discussed. Most labs will have a fifteen minute quiz drawn from the most basic of the week's homework problems. There will be three tests during the semester. They will take place during the lab period

- **September 27** (Tuesday)
- **October 25** (Tuesday)
- **November 22** (Tuesday)

and a final examination. The final exam will be on

- **December 15** (Thursday), 8:00am – noon.

The three tests will determine 45% of your final grade and the final exam will determine about 35% of your final grade. The remaining 20% will be based on lab

quizzes. There will be no makeup exams; if you are forced to miss an exam for health or other reasons, please see me.

It is vital to do your homework timely. Ask questions about the homework in class and in the Tuesday lab session.

Calculators are NOT allowed on any exam, test or quiz.

Credit: Students who do not already have credit for Calculus 1210 through AP tests can obtain it in the following way:

- Get a **B-** or **better** in the course.

Homework Problems

Sections	Assignment
2.2, 2.3, 2.5	2.2: 4, 5, 7, 9 2.3: 1, 6, 11, 14, 15, 18, 19 2.5: 13, 17, 19, 20
2.7, 2.8	2.7: 13, 16, 25 2.8: 3, 14, 21, 23, 37
3.1, 3.2, 3.3	3.1: 12, 15, 18, 22, 45, 53 3.2: 12, 14, 23, 42 3.3: 1, 3, 13, 21, 40
3.4, 3.5, 3.6	3.4: 13, 25, 55a 3.5: 2, 6, 53, 54 3.6: 5, 10, 29, 43
3.7, 3.8, 3.9	3.7: 2, 10, 21, 31 3.8: 7, 13, 18 3.9: 2, 13, 23, 35
4.1, 4.2, 4.3	4.1: 4, 11, 31, 32, 37, 41, 47, 50, 52 4.2: 3, 5, 11, 17, 26 4.3: 12, 14, 18, 24, 29
4.4	4.4: 7, 12, 14, 20, 25, 45, 50, 57
2.6, 4.5	2.6: 23, 26, 44 4.5: 1, 2, 3, 7, 9, 13, 14, 45, 49, 55
4.7	4.7: 6, 11, 13, 18, 22, 27, 30
4.9, 5.2, 5.3	4.9: 3, 6, 7, 41

	5.2: 36, 40, 51, 56 5.3: 5, 7, 8, 19, 20, 28, 39
5.4, 5.5	5.4: 1, 5, 11, 17, 29 5.5: 1, 2, 3, 13, 19
6.1, 6.2	6.1: 9, 11, 13, 15, 19, 21, 23, 27 6.2: 1, 2, 3, 5, 31, 49
6.3	6.3: 5, 9, 13, 15, 17, 19
6.4	6.4: 1, 3, 5, 8, 14, 29
7.1	7.1: 3, 4, 5, 15, 61
7.2	7.2: 1, 2, 3, 4
7.3	7.3: 1, 2, 3, 4, 7, 9, 14, 17, 23, 25
7.4	7.4: 1, 2, 3, 4, 7, 11, 13, 14
7.8	7.8: 1, 7, 13, 20, 43, 51, 70
8.1	8.1: 1, 2, 5, 20, 22
8.2	8.2: 1, 4, 5, 14, 17, 29
9.1, 9.2	9.1: 1, 3, 4, 7, 9, 10 9.2: 1, 3, 5, 19, 22, 24
9.3	9.3: 1, 6, 11, 14, 18, 36, 39, 42
9.4	9.4: 2, 3, 5, 10, 15, 19
9.5	9.5: 1, 3, 7, 19, 23, 26, 34, 35
10.1, 10.2	10.1: 5, 7, 14, 19 10.2: 3, 5, 7, 37
10.3, 10.4	10.3: 15, 17, 25 10.4: 29, 32, 36
11.1, 11.2	11.1: 2, 16, 18, 20, 27, 29, 33 11.2: 9, 10, 15, 21, 22, 30, 35, 58
11.3	11.3: 1, 5, 6, 15, 20, 23, 25, 32
11.4	11.4: 1, 2, 3, 4, 5, 9, 10, 24, 37, 46
11.5	11.5: 3, 7, 11, 14
11.6	11.6: 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 18, 23, 29
11.8	11.8: 3, 4, 6, 7, 8, 10, 12, 13, 16, 19, 21
11.9	11.9: 3, 4, 6, 8, 10, 11, 13, 14, 18, 23
11.10, 11.11	11.10: 2, 4, 6, 11, 13, 18, 26, 27, 28, 39, 48, 49, 60 11.11: 1, 2, 3, 7, 9, 13, 15, 18