

Instructor: Professor Oana Veliche

Office: LCB 106

Office hours: M 1:00-1:45pm, W 4:00-5:00pm, F 8:00-9:00am

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Your section: MATH 1210-6

Time and place: M,T,W,F, 2:00-2:50 PM in JTB 130

Text: *Calculus*, 8th Ed., D. Varberg, E. J. Purcell and S. E. Rigdon

Course Description: Mathematics 1210 is an introduction to differential and integral calculus. Limits, derivatives, and integrals will be developed as tools to analyze the properties of functions. Applications include motion and rates of change, optimization and approximation methods, differential equations, and the calculation of areas, volumes, and lengths.

Homework: In general, homework will be assigned every meeting and will be collected the following meeting (see the tentative schedule.)

Please do the problems in the assigned order; write clearly the problem number and the page number. Please staple your homework.

Late homework will not be accepted, except under special circumstances.

Each homework is worth 10 points.

Quizzes: There will be 11 weekly quizzes, between 10-20 minutes each, held on Fridays, at the end of the class time (see the tentative schedule.)

The material covered by each quiz will be announced in class.

The quizzes are closed notes, closed books and no calculators.

Each quiz is worth 10 points. The lowest quiz grade will be dropped.

Exams: There will be 2 exams during the semester and one final exam.

All are written exams and will be held in class (JTB 130).

All the exams are closed books, closed notes and no calculators.

The final exam will be comprehensive with some emphasis on the material not yet tested in the first two in-class exams.

Exam #1	Tuesday,	October 19, 2004,	2:00-2:50 PM
Exam #2	Wednesday,	November 24, 2004,	2:00-2:50 PM
Final exam	Wednesday,	December 15, 2004,	1:00-3:00 PM

Calculators: They are to be used for some homework problems, but since they are not allowed at any exam, their use is not encouraged in general.

Grading: Grades are based on the following:

Exam 1	100 points
Exam 2	100 points
HW	50 points
Quizzes	100 points
Final exam	200 points
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Total	550 points

Lesson	Section	Problems
1.	Handout	Problem set 1
2.	Handout	Problem set 2
3.	Handout	Problem set 3
4.	Handout	Problem set 4
5.	Handout	Problem set 5
6.	2.1	Page 41: #1, 6-8, 10, 11, 13, 15-29 odd, 33, 36, 45
7.	2.2	Page 48: #1, 4, 11, 15-25 odd, 26, 29, 31, 35
8.	2.3	Page 57: #1, 2, 10, 15-23 odd
9.	2.3	Page 57: # 24, 25, 32, 42, 53-55
10.	2.4	Page 64: #1-17 odd, 29-32, 36, 37, 40
11.	2.5	Page 71: #7, 12, 13, 20
12.	2.6	Page 76: #1-15 odd, 21, 39, 43
13.	2.7	Page 80: #1-13 odd
14.	2.8	Page 85: #1-43 odd, 49, 50
15.	2.9	Page 91: #1-19 odd, 20, 35-38, 43-45, 57
16.	3.1	Page 104: #1, 3, 7, 9, 13, 15, 18, 27-30
17.	3.2	Page 111: #1-19 odd, 27, 33-41 odd, 47
18.	3.3	Page 119: #1-41 odd, 49, 51, 53, 55, 56
19.	3.4	Page 122: #1-19 odd, 24
20.	3.5	Page 127: #1-21 odd, 33, 35, 39, 42, 43, 46, 47
21.	3.6	Page 131: #1-11 odd, 15, 19, 29, 31, 36
22.	3.7	Page 138: #1-11 odd, 17, 19, 23, 27, 29, 33, 35, 39
23.	3.8	Page 143: #1, 3, 5, 9, 11, 13, 17, 23, 29, 35, 46, 47, 49
24.	3.9	Page 149: #1, 2, 5, 7, 9, 12, 15, 17, 27
25.	3.10	Page 155: #1, 3, 5, 10, 11, 17, 18, 20, 21, 26, 34, 35
26.	4.1	Page 166: #1-17 odd, 20, 21, 27, 28
27.	4.2	Page 172: #1-35 odd, 36
28.	4.3	Page 178: #1-19 odd, 20, 22, 29
29.	4.4	Page 185: #1, 5, 12, 19, 20, 23, 26, 29
30.	4.6	Page 196: #1, 5, 7, 9, 11, 17, 23
31.	4.6	Page 196: # 28, 33-35, 40, 41, 53
32.	4.7	Page 201: #1, 2, 5, 8, 11, 15, 21, 23, 29-32, 46
33.	9.1	Page 407: #1, 3, 5, 7, 14, 15, 17, 19, 21, 25
34.	9.2	Page 413: #1-37 odd
35.	5.1	Page 214: #1-37 odd
36.	5.2	Page 220: #1, 3, 5, 7, 11, 17, 21, 25, 28, 36
37.	5.3	Page 226: #1-29 odd, 36, 37, 41
38.	5.4	Page 233: #1, 3, 5, 7, 11, 12, 13, 15, 17, 20, 24
39.	5.5	Page 240: #1, 3, 7, 9, 11-13, 17, 19, 21, 22, 24
40.	5.6	Page 249: #1-27 odd, 30, 33, 35, 37, 39, 40
41.	5.7	Page 256: #1-37 odd, 47-52
42.	5.8	Page 264: #1-53 odd, 59, 61, 65, 66
43.	6.1	Page 278: #1-21 odd, 29-35 odd
44.	6.2	Page 285: #1-25 odd
45.	6.3	Page 292: #1-15 odd, 19, 20
46.	6.4	Page 299: #1-17 odd
47.	6.5	Page 303: #1-9 odd, 15, 21, 22
48.	6.6	Page 311: #1-13 odd, 25-27