

Math 315 Syllabus
Spring 2007
11am, MUWF

Instructor : Professor Seitz

Office : 319 Fenton Hall (6-5626)

Office Hours : MW 2 - 3, F 10

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Text : Ross, "Elementary Analysis: the theory of Calculus"

Homework: Homework will be collected each Monday and that class period will include a discussion of homework problems from the previous week.

Grading procedures :

Homework: 100 points

Midterm exam 1 (April 25) : 100 points

Midterm exam 2: (May 23): 100 points

Final exam (June 13): 200 points

The final grade will be assigned on the basis of the total point score from the above activities.

Tentative Reading and HW assignments:

Week 1, Apr 2 - Apr. 6: Read sections 1, 2, 3 and do the following problems from the text:

1.1, 1.3, 1.6, 1.12

2.1, 2.2, 2.4

3.1, 3.3, 3.6, 3.7

Week 2, Apr. 9 - Apr. 13: Read sections 4, 5 and do the following problems from the text:

4.1 (a, d, e, g, i, l, n, u, w), 4.2 (same parts), 4.3 (same parts), 4.6, 4.7, 4.14

5.1, 5.2, 5.3

Week 3, Apr. 16 - Apr. 20: Read sections 7, 8, 9 and do the following problems from the text:

7.1, 7.2 (same parts), 7.3 ((a, b, c, e, h, i, k, n, p), 7.5

8.1, 8.2, 8.6(a), 8.7(a), 8.8(a), 8.9

9.1, 9.2, 9.8

Week 4, Apr. 23 - Apr. 27: Review, **Exam**, Read section 10 and do the following problems from the text:

10.1, 10.3, 10.6, 10.8, 10.9

Week 5, April 30 - May 4: Read sections 11, 12 and do the following problems from the text:

11.1, 11.2, 11.3, 11.4, 11.5, 11.10
12.2, 12.3, 12.10, 12.14

Week 6, May 7 - May 11: Read sections 14, 15 and do the following problems from the text:

14.1, 14.2, 14.4, 14.7, 14.13 (a,b)
15.1, 15.3, 15.4(a,b), 15.6

Week 7, May 14 - May 18: Read sections 16, 17 and do the following problems from the text:

16.1, 16.4(b,c, d), 16.5 (a, b, c), 16.7
17.1, 17.2, 17.5, 17.6, 17.9, 17.12, 17.13

Week 8, May 21 - May 25: Review, **Exam**, Read section 18 and do the following problems from the text:

18.2, 18.3, 18.6, 18.7, 18.8

Week 9, NO CLASS MONDAY, May 30 - June 1, : Read sections 23, 24, 25 and do the following problems from the text:

23.1, 23.2(a,b,c), 23.3, 23.6
24.1, 24.2

Week 10, June 5 - June 9 : Read section 26, Review for final :

Final Exam : Wednesday, June 13, 10:15 - 12:15