

COURSE: MATH ANALYSIS I (MATH 5A) SEMESTER: FALL 1999

INSTRUCTOR: C. L. Glaves

OFFICE: FEM-4D

PHONE: 638-3641 ext. 3215

OFFICE HOURS: M W F 9:00 - 9:50 AM

~~M 2:40 - 3:30 PM~~ C.G.

or by appointment

TEXTS: 1. Calculus, Volume 1, Sixth Edition, Anton.
2. Exploring Calculus with Mathematica, Finch & Lehmann

OBJECTIVES: This is a first semester course in differential and integral calculus. The student will learn concepts of functional notation and behavior, limits and continuity, the derivative, applications of derivatives, and integration.

EXAMS: Five exams plus a final exam, all equally weighted. The lowest of the six exam scores will be dropped. There will be no make-up exams without prior approval.

HOMEWORK: Homework will be assigned every day. It is crucial to your success in the class that you do the homework.

LABORATORY: There is a computer lab component to this course that will introduce the student to the software Mathematica and use this software to illustrate various topics during the course.

GRADING: Based on the highest five exam scores, lab practicals, and homework. Homework for the semester counts the same as one test score. The lab practicals for the semester count the same as one test score.

Scale: 89% A 77% B 65% C 50% D

ATTENDANCE: In accordance with RC policy, attendance is mandatory. A student may be dropped after the equivalent of two weeks of class have been missed unless special arrangements have been made. Missed labs can be made up during open lab hours.

DROP DATE: Friday, October 15, is the last day to drop this class and not receive a letter grade.

HOLIDAYS: Monday, Sept. 6, Labor Day
Thursday - Friday, Nov. 25-26, Thanksgiving Holidays

FINAL: Friday, December 17, 10:30 - 12:30 AM

Assignments (Anton 6/E)

APPENDICES

C 3,5,6,7,8,15a,17a,19,21,23,25,33,39,41,43,45,47,51

E 1,3,7,9,13,20b,21b,22b,23b,24b,25b,41,45

CHAPTER 1

1.1 -

1.2 1,3,5a,7,8,10,15,16a

1.3 -

1.4 5,7,9,13,17,21,23,35,37,41,43,47,59

1.5 27,29,30,31,33,34,35,36,41

1.6 -

1.7 -

CHAPTER 2

2.1 2,5,9,13,15,17,21

2.2 5,7,9,11,13,15,17,19,23,25,27,29,31,35,41,49

2.3 -

2.4 10,15,17,21,22,23,27

2.5 9,17,21,31,35,37

CHAPTER 3

3.1 1,3,6,9,11,13,19

3.2 1,3,5,7,9,11,15,17,23,35

3.3 3,5,13,15,19,23,25,31,33,38,39,51,57,67

3.4 2,3,9,13,15,21,32,33

3.5 3,5,7,9,11,13,15,17,25,35,45

3.6 -

CHAPTER 4

4.1 1c,15,16,17,18,26,30

4.2 5,6,9,13,15,16,17,18,21,23,25,27,29,31,42

4.3 1,3,13,17,24,30,40

4.4 1,3,4,7,10,17,20,21,25,26,30,31,44

4.5 2,3,5,10,11,13,18a,21,27,39

4.6 2,3,9,10,15,16,21,29

4.7 5,11,13,15,19,21,25,27

CHAPTER 5

5.1 2,3,4,5,6,7,8,12,13,31,49a

5.2 7,9a,13,18,21,23

5.3 3,5,11,13,19,27

CHAPTER 6

6.1 8,11,12,17,23,29,32,36

6.2 1,5,9,11,16,21,29,56

6.3 1,3,4,5,7,9,11,26,27,29,31

6.4 -

6.5 1,3,5,7,13,16,19,23,37

CHAPTER 7

7.1 5,7,9

7.2 7,17,21,23,27,43,49

7.3 1,3,6,13,17,19,21,23,25,29