

COURSE: MATH ANALYSIS II (MATH 5B)

SEMESTER: SPRING 2000

INSTRUCTOR: C. L. Glaves

OFFICE: FEM-4D

PHONE: 638-3641 ext. 3215

OFFICE HOURS: T 10:00 – 10:50 AM
T 11:00 – 11:50 AM
F 10:00 – 10:50 AM
or by appointment

TEXT: Calculus, Volume 2, Sixth Edition, Anton.

OBJECTIVES: This is the second semester course in differential and integral calculus. The student will learn basic integration and applications; further techniques of integration including partial fractions, integration by parts, trigonometric integrals and trigonometric substitution; infinite series; and analytic geometry.

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 for every section covered. It is crucial to your success in the class that you do the homework. Class will normally open with questions taken on the homework. Be on time and ready to ask questions.

GRADING: Based on the highest five exam scores and homework. Homework for the semester counts 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. Course withdrawals are ultimately the responsibility of the student however.

DROP DATE: Friday, March 10, is the last day to drop this class and not receive a letter grade.

HOLIDAYS: Mon., Jan. 17, Martin Luther King Day
Fri., Feb. 18, Lincoln's Birthday
Mon., Feb. 21, Washington's Birthday
Mon. - Fri., Apr. 17– 21, Spring Recess

FINAL: Wednesday, May 17, 8:00 - 10:00 AM

Assignments (Anton 6/E)

(Note: these are the anticipated assignments. They may be modified based on class performance).

CHAPTER 7

- 4.7 5,11,13,15,19,21,25,27
- 7.4 1,5,7,9,16,17
- 7.5 17,19,21,23
- 7.6 5,11,13,15,18,19,20,27,29,43,45
- 7.7 1,7,12,13,16,31,41,43,45
- 7.8 5-11 odd, 25,27,30,31,34,37,38
- 7.9 7,15

CHAPTER 8

- 8.1 1,5,7,9,13,27a, 33
- 8.2 11,13,14,17,21,27,29
- 8.3 4,5,9,13,21
- 8.4 1,3,5,8,11
- 8.6 6,7,8,10,11,12
- 8.7 4,7,10

CHAPTER 9

- 9.2 2,5,9,17,25,40
- 9.3 1,7,9,19,23,29,31,33,37
- 9.4 5,7,11,13,19,40
- Appendix F 1b, 3ab, 5,11,17,19
- 9.5 12,17,21,27
- 9.8 2,4,7,17,19,23,24

CHAPTER 12 (plus odds and ends)

- 10.3 3a, 6,7,11,29
- 1.7 4,5,7,8,13
- 12.1 3,5,9,11,17,21,23,24,25,29,32,35
- 12.3 1ac, 5,15,16,17,18,21
- 12.4 5a, 7a, 8b, 21b, 23,26,42
- 12.4 11,13b, 29b, 31,49
- 12.4 15,17,19,33,35

CHAPTER 11

- 11.1 1,5,6,9,13,19,41
- 11.3 1,4,5,7,13,16,17,23
- 11.4 5ab, 7b, 9,11,15,18,20
- 11.5 7,9,11,19,23,24
- 11.6 3a, 5,6,12,14,15,21,22,23
- 11.8 7,11,13,19,25
- 11.9 1,3,5