

**PREREQUISITE:** Intermediate Algebra, Rutgers Math 026 or Math 027 or equivalent.

**TEXT:** Excursions in Modern Mathematics 6th Edition by Peter Tannenbaum and Robert Arnold

**INSTRUCTOR:** Gus Rainsford **EMAIL:** rainsfor@math.rutgers.edu

**OFFICE HOURS (unless announced otherwise):** Hill Center on Busch Campus room 611: Monday 2:30-3:30 PM and by appointment on Tuesday 11:00-12:00 noon and Friday 10:30 - 11:30AM. Regina Heldrich Building on Douglass Campus room 101B: by appointment Wednesday 10:30 - 11:30 AM.

**CALCULATOR:** A basic calculator capable of computing square roots will be needed for both homework and examinations. Computers and Calculators with typewriter keyboards or built-in computer algebra systems such as the TI-89 or TI-92 will not be permitted on exams. Cell Phones are not permitted on exams.

**GRADING:** Based on a total of 500 points distributed as follows:

Homework 100 pts, Exam 1: 100 pts, Exam 2: 100 pts, Final (comprehensive) 200 pts

**COURSE TOPICS:** We will cover Chapters 1,2,3,4,5,6,7,8,13, and as time permits, 14.

**EXAMS:** Exams are closed book: no notes, or books etc are permitted. Calculators may be used on exams. **Exam I** will cover sections Chapters 1,2,3 and 4, and is scheduled for Monday March 3 unless announced otherwise. **Exam II** will cover Chapters 5,6,7 and possibly 8 and is scheduled for Monday April 21 unless announced otherwise. The **Final Exam** will be on Thursday May 8 from 8:00 to 11:00 AM and will be comprehensive. The room will be announced in class. **Please note: Firm dates for all exams will be announced in class.**

**MISSED EXAMS:** Makeup exams are not given. If you are absent on the day of an exam (for some acceptable reason), you must bring in a formal letter from the dean's office in order for your absence to be excused and to have your final count for the missing exam. You must contact either me, rainsfor@math.rutgers.edu, or the math office 445 2390 within 3 days of the missed exam. Missed exams, which are not excused, are recorded as a 0 grade. If classes are cancelled, (for snow storms etc), on the day of an exam, the exam will be given on the first day we meet when classes resume.

**HOMEWORK :** The exercises are grouped by Chapter. Selected problems will be assigned in class to be written up and handed in to be graded. Students are encouraged to do all the problems. Late homeworks will not be accepted. Missed homeworks are given a zero grade. Since we realize that there are times you may have a sound reason for missing a homework or two we drop the two lowest scores before averaging the remaining homework grades.

Chapter 1: 3, 6, 9, 13, 14, 15, 17, 18, 19, 20, 25, 29, 33, 34, 35, 38, 41, 42, 43, 50, 51, 55

Chapter 2: 3, 5, 6, 7, 8, 9, 10, 13, 14, 16, 17, 21, 23, 26, 29, 33, 34, 50, 53

Chapter 3: 1, 4, 3, 8, 9, 11, 14, 21, 28, 44, 51, 56

Chapter 4: 4, 5, 6, 7, 9, 10 11, 13, 18, 20, 23, 25, 30, 39, 40, 50, 55, 59 16\* \*In Huntington Hill Method Section)

Chapter 5: 12, 13, 16, 18, 20, 21, 23 24, 26, 28, 29, 33, 36, 39, 42 43, 45, 52

Chapter 6: 5, 6, 7, 11, 12, 13, 23, 26, 29, 31, 33ab, 34, 35, 37, 38, 41, 43, 44, 52

Chapter 7: 2 3, 5, 10, 11, 13, 15, 18, 19, 21, 22, 23, 27, 28, 29, 30, 31, 32, 34, 36

Chapter 8: 3, 9, 11, 12, 13, 17, 18, 29, 30, 34, 39, 40, 41, 52a, 62,

Chapter 13: 1, 6, 18, 25, 26, 27, 28, 29, 30, 44

Chapter 14: 4, 14, 20, 24, 29 30, 31, 32, 33 34 42a. 47, 48, 59, 60