

DIXIE STATE COLLEGE - - Fall 2010  
MATHEMATICS DEPARTMENT

**Course Number:** MATH 2200**Section Number:** 1**Room Number:** NIB 144**Instructor:** Ross Decker**Office Phone Number:** 652-7763**Text:** Mathematics: A Discrete Introduction (2<sup>nd</sup>)**Prerequisites:** C or better in **MATH 1210****Course Title:** Discrete Mathematics**Meeting Time:** Mo, We from 1:00-2:15 PM  
Aug 23 to Dec 13**Office Room Number:** NIB 139**Office Hours:** Daily 9 to 10, or by appointment**Author:** Scheinerman

Exam dates and points possible are as follows:

Exam 1	Sept 8-12	100 points
Exam 2	Sept 27	100 points
Exam 3	Oct 11-14	100 points
Exam 4/5	Oct 27-31	100 points
Exam 7/9	Dec 1-5	100 points
Final Exam	Dec 13 (12:00-2:00 PM)	200 points
Homework	(5 points each)	<u>180 points</u>
<b>TOTAL POINTS:</b>		<b>880 points</b>

**ATTENDANCE:** Any student who misses the first two days of class will be dropped from the class.**DISHONESTY:** If it is determined that you cheated, you will receive a zero for that exam.

If cheating occurs a second time, you will receive an F for the course.

**DISABILITIES:** If you are a student with a medical, psychological, or learning disability, and would like accommodations or think you might have a disability, contact the Disability Resource Center (652-7516) in the Student Services Center, Room 201. The Disability Resource Center will determine eligibility based on your professional documentation and determine the appropriate accommodations related to your disability.**GRADES:** Your semester grade will be based on the following scale: A(92-100%), A-(89-92%), B+(86-89%), B(82-86%), B-(79-82%), C+(76-79%), C(72-76%), C-(69-72%), D+(66-69%), D(62-66%), D-(59-62%), F(0-59%)**GENERAL REMARKS:** It is the responsibility of each student to make time each day to read the text, attempt all homework problems, study for exams, and get extra help. Your work should be neat and easily read. Problems will be graded more for the work shown than for the final answer. Assignments should be considered a minimum and many students should work additional problems to reach mastery. Course schedules, assignments, and exam dates are subject to change as circumstances dictate.

### COURSE OBJECTIVES

All mathematics classes at Dixie State College will:

1. Require students to perform mathematical processes including fractions, percentages, decimals, proportions/ratios, algebraic equations and/or calculus techniques.
2. Provide students with application problems that use a variety of methods including arithmetical, algebraic, and geometric methods.
3. Challenge students to make inferences from mathematical models that include formulas, graphs, and tables.
4. Provide students with real-life applications that use a variety of mathematical functions.

Upon successful completion of MATH 2200, a student will demonstrate through testing, the ability to:

1. Understand mathematical reasoning in order to read, comprehend, and construct mathematical arguments.
2. Perform combinatorial analysis to solve counting problems.
3. Work with discrete structures including sets, permutations, relations, graphs, trees, and finite-state machines.
4. Apply discrete mathematical models in various areas such as data networking, science, and business.

MON	WED
8/23 Section 1 & 2	8/25 Section 3
8/30 Section 4	9/1 Section 5 & 6
9/6 Labor Day	9/8 Review 1
9/13 Section 7 & 8	9/15 Section 9 & 10
9/20 Section 11 & 12	9/22 Review 2
9/27 Exam 2	9/29 Section 13 & 14
10/4 Section 15 & 16	10/6 Section 17 & 18
10/11 Review 3	10/13 Section 19 & 20
10/18 Section 21	10/20 Section 22 & 23
10/25 Section 24 & 25	10/27 Review 4/5
11/1 Section 34 & 35	11/3 Section 36
11/8 Section 37 & 38	11/10 Section 46 & 47
11/15 Section 48	11/17 Section 49 & 50
11/22 Section 51	11/24 Thanksgiving
11/29 Section 52	12/1 Review 7/9
12/6 Review for Final	12/8 Review for Final
12/13 Final Exam 12:00 - 2:00	

- 2 2.1-2.7odd, 2.8, 2.10
- 3 3.1-3.6
- 4 4.1-4.13odd
- 5 5.1-5.9odd
- 6 6.1-6.11odd
- 7 7.1-7.13odd
- 8 8.1-8.9odd
- 9 9.1-9.7odd
- 10 10.5-10.5odd, 10.4
- 11 11.1-11.11odd, 11.19
- 12 12.1, 12.2
- 13 13.1-13.9odd
- 14 14.1-14.9odd
- 15 15.1-15.13odd
- 16 16.1-16.13odd
- 17 17.1-17.6
- 18 18.1-18.4
- 19 19.1-19.11odd
- 20 20.1-20.7odd
- 21 21.1-21.4, 21.8
- 22 1, 2(a-h), 3, 6
- 23 23.1-23.9odd
- 24 24.1-24.4
- 25 25.1-25.11odd
- 34 34.1-34.5odd
- 35 35.1-35.5odd,35.11,35.13,35.19
- 36 36.1-36.4, 36.13
- 37 37.1-37.7odd
- 38 38.1-38.3,38.8,38.20,38.23
- 46 46.1-46.3,46.13,46.15,46.16
- 47 47.1-47.7odd
- 48 48.1-48.7odd
- 49 49.1-49.5odd, 49.6
- 50 50.1, 50.3, 50.6
- 51 51.1, 51.6, 51.8
- 52 52.1, 52.2, 52.8

Testing Center Hours

Monday -- Friday

9 AM to 10 PM

Saturday

2 PM to 10 PM

Sunday

4 PM to 10 PM