FD '02

CHAMINADE UNIVERSITY OF HONOLULU

SYLLABUS
Math 308 - DISCRETE MATHEMATICS

Term: Fall 2002 Semester - August 26 to December 12, 2002

Class Meetings: Room - H37, Day - MWF, Time: 10:00 - 10:50 AM

Instructor: Franklin H. Minami, Ph.D.

Textbooks: " An Introduction To Discrete Mathematics", 2nd Edition, by Steven Roman; Harcourt Brace Jovanovich College Publishers, ISBN: 0-15-541730-4

Course Description and Objectives:

Symbolic logic, sets and relations, algorithms, mathematical induction, counting techniques in combinatorics, recurrence relations, trees and other graphs, and other topics. Recommended for secondary mathematics education and computer and information science programs. Offered annually. Prerequisite: MA 210

Grades and Tests: Grades will be determined by an average of the following:

Grade Point Summary: (100% Total)

	Nos.	Percent
Attend/Participation		**10%**
Quiz/Test	**5 - 11**	**50%**
Homework	**5**	**Bonus (10%)**
Project	**1**	**10%**
Final Exam	**1**	**30%**

Grade Scale: **A** = 90 - 100% **C** = 70 - 79% **F** = Below 60%
B = 80 - 89% **D** = 60 - 69%

Tests/quizzes/final exam will be open book and open notes. Questions will be on same lines as the material (from class lectures and homework) being questioned. Calculator use is allowed, except when noted.

Academic Honesty Policies and Procedures:

Refer to University's publication on this subject.

Course Assistance:

Instructor Assistance

Your instructor is available before and after class. You may reach the instructor by pager number **361-4499** or through e-mail (**fminami@hpu.edu**), noting that you are a student in course name and number; include your name and your phone number or e-mail address.

Attendance and Participation:

Each student is expected to attend every class and to arrive on time. Roll will be taken. Each student will be held accountable for all information presented in

class, whether the student is present or not. If a student can not attend a class on the day an assignment is due, the student must make arrangements to have it delivered on time. If a student will be absent on a testing day, inform the instructor as soon as possible; and a request for a make-up test will be considered.

Participation by all students is important and is considered as an integral part of the learning/training process. Participation before and after class is acceptable. All students should remain in class until the end of class time, unless a valid reason is approved by the instructor. Excuse notes are due at the next class.

CLASS SCHEDULE: MA 308, Fall 2002 Semester

Week No.	Date	Chapter	Activity	Test
1	8/26 -30	Chapter 1	Sets, Correspondence	
2	xxx 9/2	xxx Monday - No Classes - Labor Day		
	9/4 - 6	Chapter 1	Functions, Induction	
3	9/9 - 13	Chapter 2	Logic, Logic Circuits	
4	9/16 - 20	Chapter 3	Relations on Sets	Test #1
			Project Discussion	HW #1 due
5	9/23 - 27	Chapter 4	Combinatorics	
6	9/30 - 10/4	Chapter 4	Permutations	Test #2
				HW #2 due
7	10/7 - 11	Chapter 4	Binomial Coef.	
8	xxxx 10/14	xxx Monday - No Classes - Discoverers' Day		
	10/16- 18	Chapters 4 & 5	More Counting	Project due
9	10/21 - 25	Chapter 5	Distributions	Test #3
				HW #3 due
10	10/28 - 11/1	Chapter 5	Repetitions	
11	11/4 - 8	Chapter 6	Graphing	Test #4
				HW #4 due
12	xxx 11/11	xxx Monday - Holiday -Veteran's Day		
	11/13 - 15	Chapter 6	Isomorphism	
13	11/18 - 22	Chapter 6	Planar Graphs	
14	11/25 - 27	Chapter 6	Trees	
	xxx 11/29	xxx Friday - Thanksgiving Holiday		
15	12/2 - 4	Chapter 6	Networks	Test #5
	12/6	Review for Final		HW #5 due
16	12/9-12	Final Exam		