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Chaminade University
Survey of Mathematics (MA 100)
Spring 1998

Tripler
T, R 17:30-19:35

Instructor: Glenn Isidro
Phone: 841-6077

Syllabus

Course Description: Introductory course for humanities major to expose the student to a wide variety of topics in mathematics with emphasis on reasoning and logical thinking. This course does not prepare students for MA 103 or any other mathematics course.

Textbook: Survey of Mathematics, 7th edition by Karl J. Smith, 1995, Brooks/Cole Publishing Company, ISBN 0-534-21565-5

Objective: To give insight into how mathematics is developed and to present some ideas of mathematics and to show how these ideas can be used in an everyday setting to build problem solving skills.

Homework: Selected problems will be assigned for each section covered. Assignments will be given daily and will be due at the beginning of the next class meeting. All assignments MUST be turned in even though if it is late in order to satisfy course requirements. Points will be deducted for late homework accordingly: the later the homework is turned in the more points will be deducted. A grade of incomplete will be issued if all homework is not turned in. Homework shall be neat and turned in on 8-1/2" x 11" paper.

Quizzes: Short quizzes will be given at the beginning and end of each class meeting. Quizzes at the beginning of class will cover material on the previous lecture. Quizzes at the end of class will cover lecture material for the day. Makeup quizzes will be allowed for those who were absent for the day, but will not receive full credit.

Exams: There will be a midterm and a final exam.

Attendance: Attendance will be noted daily. Please notify me in advance should you not be able to attend class. Excessive and unexcused absences will affect your grade.

Class Participation: Class participation will be noted daily and can only affect your grade positively.

Grading:	Homework	10%	90-100	A
	Quizzes	30%	78-89	B
	Midterm	25%	65-77	C
	Final Exam	25%	51-64	D
	Attendance and Class Participation	10%	<50	F

Course Outline

Week	Class #	Date	Section	Description
1	1	4/7	1.1	Problem Solving
	2	4/9	1.2	Problem Solving with Sets
2	3	4/14	1.3	Inductive and Deductive Reasoning
	4	4/16	2.1	Deductive Reasoning
3	5	4/21	2.2	Truth Tables
	6	4/23	2.5	Problem Solving Using Logic
4	7	4/28	5.4	Equations
	8	4/30	5.6	Algebra in Problem Solving
5	9	5/5	5.7	Ratios, Proportions, and Problem Solving
	10	5/7		Midterm
6	11	5/12	6.1	Interest
	12	5/14	8.1	Precision, Accuracy, and Estimation
7	13	5/19	8.2	Area
	14	5/21	8.3	Volume and Capacity
8	15	5/26	9.1	Introduction to Probability
	16	5/28	10.1	Frequency Distribution and Graphs
9	17	6/2	11.1	Graphing Lines
	18	6/4	12.1	Systems of Linear Equations
10	19	6/9	12.2	Problem Solving with Systems
	-	6/11		Holiday
11	20	6/16		Final Exam

*This outline is subject to change based on the progress of the class.