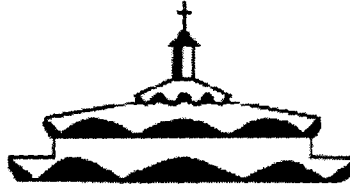


# Chaminade University



## MATH 100 Survey of Mathematics

April 3-May 29, 1998  
MF 2:00-4:30 pm  
Kaneohe MCBH

**INSTRUCTOR:** Dennis Kunimura  
**PHONE:** 625-3509 (Voice/Fax)  
**E-Mail:** kunimura@compuserve.com

**Course Description:** Introductory course for humanities majors. Selected topics to acquaint the student with the field of mathematics.

**Textbook:** The Nature of Mathematics (8<sup>th</sup> edition). By Karl J. Smith; Brooks/Cole Publishing Company

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TENTATIVE list of topics to be Covered: (Highlighted chapters will be emphasized.)

**Chapter 1: The Nature of Problem Solving**

Chapter 2: The Nature of Logic

Chapter 3: The Nature of Calculation

Chapter 4: The Nature of Numbers

**Chapter 5: The Nature of Algebra**

**Chapter 6: The Nature of Sequences, Series, and Financial Management**

**Chapter 7: The Nature of Geometry**

Chapter 8: The Nature of Measurement

**Chapter 9: The Nature of Probability**

**Chapter 10: The Nature of Statistics**

Chapter 11: The Nature of Graphs and Functions

Chapter 12: The Nature of Mathematical Systems

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**Attendance/Participation:** Attendance will be recorded daily. The instructor may reduce a student's grade for excessive absences.

**Homework:** Daily homework assignments will be made. The assignments will be turned in during the next class meeting. Points for late assignments may be reduced or not be credited, at the discretion of the instructor.

**Exams:** There will be 4 exams administered during the course. The last exam will be a comprehensive exam to cover the material learned in the course.

**Project:** Each student will be required to give a 5-10 minute presentation during the final week of the course. (May 25 & May 29) Possible topics for the presentation are:

- Historical aspect of some area covered in the textbook (Pascal's triangle, Polya's method)
- Consumer math (auto purchase)
- Financial math (compound interest problem)
- Probability experiment (deck of cards, rolling the dice)
- Current Events and statistics
- Overview of some area of mathematics (Fractals, topology, geometry)
- Computers and math

The student will be required to have a preliminary idea ready for approval by *April 24*. By *May 15*, the student should have a rough draft of their project to be presented to the instructor.

**GRADING:**

<i>Grade</i>	<i>Percentage</i>
<b>A</b>	90-100%
<b>B</b>	80-89%
<b>C</b>	70-79%
<b>D</b>	50-69%
<b>F</b>	Below 50%

	Percentage
Homework	25%
Presentation	10%
Exams	45%
Final Exam	20%

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						4
5	6	7	8	9		11
12	13	14	15	16		18
19	20	21	22	23		25
26	27	28	29	30		2
3	4	5	6	7		9
10	11	12	13	14		16
17	18	19	20	21		23
24	25	26	27	28		30