

MA 100⁶⁰ SURVEY OF MATH

*WE 01
Pns*

Class Session Winter Session (January 08 - March 21, 2001)

Class Location Pearl Harbor Education Center

Class Dates/Time Wednesday, 1645 – 2055

Course Description Introductory course for humanities majors. Selected topics are to acquaint the student with the fields of mathematics. Also, recommended for early childhood education majors. This course fulfills general education requirements in math, but not recommended for students who intend to take MA 103, 110 and 210.

Instructor Ivan Ormsbee, tele # 668-8993, *e-mail ink_pen@aloha.net*

Prerequisites None

Required text The Nature of Mathematics (8th edition). ISBN 0-534-34988-9.
By Karl J. Smith. Brooks/Cole Publishing Company.

- Topics**
- (1) The Nature of Problem Solving. (Ch. 1.1 - 1.4)
 - (2) The Nature of Logic. (Ch. 2.1 - 2.2)
 - (3) The Nature of Calculation. (Ch. 3.1 - 3.5)
 - (4) The Nature of Numbers. (Ch. 4.1 - 4-7)
 - (5) The Nature of Algebra (Ch. 5.1 - 5.8)
 - (6) The Nature of Geometry (Ch. 7. 1 - 7.4)
 - (7) The Nature of Measurement. (Ch. 8.1 - 8.4)
 - (8) The Nature of Probability (Ch. 9.1 - 9.5)
 - (9) The Nature of Sequences, Series, & Financial Management. (6.1 - 6.6)
- *Topics may be adjusted by the instructor to fit the needs of the class.

Grading		Total Points	Points Earned	Grade
	Quizzes (8 each)	120 pts.	360 - 400	A
	Oral presentation (1 each)	25 pts.	320 - 359	B
	Attendance (10 sessions)	40 pts.	280 - 319	C
	Projects (4 each)	40 pts.	240 - 279	D
	Final Exam (1 each)	175 pts.	0 - 239	F
		400 pts.		

Important Dates

Session 01	10 JAN	
Session 02	17 JAN	Quiz 01
Session 03	24 JAN	Quiz 02 Project #1 Due
Session 04	31 JAN	Quiz 03
Session 05	07 FEB	Quiz 04 Project #2 Due 1st date to begin oral presentations. Topics: Pythagoras of Samos / Plato / Aristotle / Euclid of Alexandria / Archimedes of Syracuse
Session 06	14 FEB	Quiz 05 Topics: Leonardo Fibonacci (Leonardo of Pisa) / Leonardo da Vinci Nicolaus Copernicus/ Galileo Galilei / Johannes Kepler/ John Napier /
Session 07	21 FEB	Quiz 06 Project #3 Due Topics: Rene Descartes / Blaise Pascal Sir Isaac Newton / Gottfried Wilhelm von Leibniz / Johann Bernoulli
Session 08	28 FEB	Quiz 07 Topic: Leonhard Euler / Charles Babbage
Session 09	07 MAR	Quiz 08 Project #4 Due Topics: Albert Einstein / Stephen Hawking Benoit Mandelbrot / George Polya
Session 10	14 MAR	FINAL EXAM