MA 100 SURVEY OF MATH

Class Session	Winter Session (January 10 - March 22, 2000)
Class Location	Schofield Barracks Education Center
Class Dates/Time	Tuesday & Thursday, 1730 – 1935
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)

Grading			Grade		
	Quizzes	120 pts.		324 - 360	A
	Oral presentation	25 pts.		288 - 323	B
	Attendance	40 pts.		252 - 287	C
	Final Exam	175 pts.		216 - 251	D
		360 pts.		0 - 215	F

Important Dates

Session	Date	
Session 01	11 JAN	
Session 02	13 JAN	
Session 03	18 JAN	
Session 04	20 JAN	**Quiz 01**
Session 05	25 JAN	
Session 06	27 JAN	**Quiz 02**
Session 07	01 FEB	
Session 08	03 FEB	**Quiz 03**
Session 09	08 FEB	**1st date to begin oral presentations.** Topics: Pythagoras/Plato/Aristotle
Session 10	10 FEB	**Quiz 04** Topics: Euclid/Archimedes
Session 11	15 FEB	Topics: Fibonacci/Napier
Session 12	17 FEB	**Quiz 05** Topics: Copernicus/Galileo/Kepler
Session 13	22 FEB	Topics: Descartes/Pascal
Session 14	24 FEB	**Quiz 06** Topics: Newton/Leibniz
Session 15	29 FEB	Topic: Euler
Session 16	**02 MAR**	Quiz 07 Topic: Babbage
Session 17	07 MAR	Topics: Einstein/Hawking
Session 18	09 MAR	**Quiz 08** Topics: Mandelbrot/Polya
Session 19	14 MAR	
Session 20	16 MAR	**FINAL EXAM**

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