

SE '00  
RM

MA 100 <sup>10</sup> SURVEY OF MATH

Class Session Spring Session (April 03 - June 12, 2000)

Class Location Schofield Barracks Education Center

Class Dates/Time Tuesday & Thursday, 1950 – 2155

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](mailto: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 (20 sessions)	40 pts.	280 - 319	C
	Projects (4 each)	40 pts.	240 - 279	D
	Final Exam (1 each)	175 pts.	0 - 239	F
		<u>400 pts.</u>		

## Important Dates

Session 01	04 APR	
Session 02	06 APR	
Session 03	11 APR	<b>Project #1 Due</b>
Session 04	13 APR	<b>Quiz 01</b>
Session 05	18 APR	
Session 06	20 APR	<b>Quiz 02</b>
Session 07	25 APR	<b>Project #2 Due</b>
Session 08	27 APR	<b>Quiz 03</b>
Session 09	02 MAY	<b>1st date to begin oral presentations.</b> Topics: Pythagoras/Plato/Aristotle
Session 10	04 MAY	<b>Quiz 04</b> Topics: Euclid/Archimedes
Session 11	09 MAY	<b>Project #3 Due</b> Topics: Fibonacci/Napier
Session 12	11 MAY	<b>Quiz 05</b> Topics: Copernicus/Galileo/Kepler
Session 13	16 MAY	Topics: Descartes/Pascal
Session 14	18 MAY	<b>Quiz 06</b> Topics: Newton/Leibniz
Session 15	23 MAY	<b>Project #4 Due</b> Topic: Euler
Session 16	25 MAY	<b>Quiz 07</b> Topic: Babbage
Session 17	30 MAY	Topics: Einstein/Hawking
Session 18	01 JUN	<b>Quiz 08</b> Topics: Mandelbrot/Polya
Session 19	06 JUN	
Session 20	08 JUN	<b>FINAL EXAM</b>