

RM

MA 100 SURVEY OF MATH

Class Session Winter Session (January 12 - March 25, 1998)

Class Location Tripler Army Medical Center, Building 102

Class Dates/Time Tuesday and 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 *ivanorm@aloha.net*

Prerequisites None

Required text The Nature of Mathematics (7th edition). ISBN 0-534-21564-5.
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 - 2.4)
 - (3) The Nature of Calculation. (Ch. 3.1 - 3.3)
 - (4) The Nature of Numbers. (Ch. 4.1 - 4.6)
 - (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	Quizzes	80 pts.	Grade 225 - 250	A
	Term Paper	25 pts.	200 - 224	B
	Term Paper Outline	10 pts.	175 - 199	C
	Oral presentation	15 pts.	150 - 174	D
	Attendance	40 pts	0 - 149	F
	<u>Final Exam</u>	<u>80 pts</u>		
	TOTAL POINTS	250 pts		

- Quizzes
- There are eight quizzes and each quiz is worth ten points.
 - Quizzes will **only** cover material presented since the last quiz.
 - There will **not** be any makeups for missed quizzes.
- Term Paper
- Will have cover page.
 - Will have table of contents.
 - Will have bibliography. (will have at least four sources which includes **at least two** different source types)
 - Will have footnotes.
 - Will have a **minimum of six typed pages**. (cover page, table of contents, bibliography, and any material added as an appendix do not count toward the six page requirement)
 - Will be double-spaced.
 - Will use **Times 12 point (or less)** if using word processor; pica or elite if using typewriter.
 - **Attach all charts, tables, and diagrams** as an appendix.
 - Set **all margins to one inch or less** on 8 ½" x 11" paper
 - Check spelling and grammar. Errors will be penalized
 - Select topic by January 20, 1998. After this date a topic will be chosen for you.
 - Submit paper by March 5, 1998. Paper will be penalized 5 points per session late.
- Term Paper Outline
- **Due by February 5, 1998.** Paper will be penalized 2 points per session late.
 - Must be typed. Should be similar to your table of contents on your term paper.
- Oral Presentation
- Will be **at least 15 minutes** but not to exceed 20 minutes in length
 - An oral presentation outline will be given to the instructor **at least one session** prior to your presentation.
 - Visual aids are required.
- Attendance
- Each class session is worth two points.
 - One point for attendance **from 5:30 pm to 6:30 pm**.
 - One point for attendance **from 6:30 pm** until dismissal.
 - No credit will be given if part of the time frame is missed.

Important Dates

Session 01	13 JAN	
Session 02	15 JAN	
Session 03	20 JAN	Oral/Written topic selection due.
Session 04	22 JAN	Quiz 01
Session 05	27 JAN	
Session 06	29 JAN	Quiz 02
Session 07	03 FEB	
Session 08	05 FEB	Quiz 03 <u>Typed</u> term paper outline due. (max 10 points; -2 points per session late).
Session 09	10 FEB	1st date to begin oral presentations.
Session 10	12 FEB	Quiz 04
Session 11	17 FEB	
Session 12	19 FEB	Quiz 05
Session 13	24 FEB	
Session 14	26 FEB	Quiz 06
Session 15	03 MAR	
Session 16	05 MAR	Quiz 07 Papers due (max 25 points) -5 points penalty per session late.
Session 17	10 MAR	
Session 18	12 MAR	Quiz 08
Session 19	17 MAR	Last day for oral presentations.
Session 20	19 MAR	FINAL EXAM

- Attendance
- Each class session is worth two points.
 - One point for attendance **from 7:50 p.m. to 8:50 p.m.**
 - One point for attendance **from 8:50 p.m. until dismissal.**
 - No credit will be given if **any part** of the time frame is missed.
 - If homework is current **on the day of return to class**, for a documented medical or job-related absence, there will be no penalty for the absence.

Exams: Exams are **closed** book. Exams are not cumulative. You may have one 8 ½" x 11" sheet of paper with any **handwritten** notes that you desire.

You are responsible to schedule additional instruction with me if you are having academic difficulty. Extra help will be available during evenings, Monday/Wednesday at Schofield and Tuesday/Thursday at Tripler Army Medical Center.