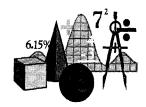# MATH 100 30

# SURVEY OF MATHEMATICS

MEETING DATES: July 7 - September 15, 1999
MEETING TIMES: Mondays and Wednesdays, 7:50 - 9:55 PM
REQUIRED TEXT: The Nature of Mathematics, 8th edition, Karl J. Smith
INSTRUCTOR: Mrs. Janet Hume (833-0050)

COURSE DESCRIPTION: Math 100 is an introductory course in mathematics for humanities majors. The course fulfills the general education requirement in mathematics but is not recommended for students who intend to take Math 103, 110, 210. Topics will be selected to acquaint the student with the field of mathematics. Topics will include, but are not limited to: problem solving, inductive and deductive reasoning, truth tables, probability, logic, and statistics.

GRADING: The grade in Math 100 will be based on four exams (50 points each), attendance and class participation (100 points), a research paper(100 points), a class presentation(50 points), and a homework notebook(50 points). At the end of the term, the course grade will be computed by dividing total number of points earned by total possible points. There is NO extra credit, with the possible exception of bonus questions on exams.

ATTENDANCE: Students are expected to attend all classes. If you are unable to attend a class, you are still responsible for the material that was covered, including completing the homework exercises that accompany that material. If you have a legitimate reason for absence (illness with doctor's excuse, family emergency, TDY) when a test is being given, contact the instructor immediately to schedule a make-up. Depending on the circumstances, make-ups will be given at the discretion of the instructor.

HOMEWORK: As much as possible, we will follow the attached course outline. Each week, you should preview the material that will be covered in class by reading the appropriate chapter sections. After the material has been covered in class, you should attempt as many of the odd-numbered problems as needed for you to achieve mastery of that topic. There will be opportunity to ask questions about the exercises at the beginning of each class session. Problems should be completed in a separate notebook that will be turned in for grading the week before the semester ends.

# COURSE OUTLINE

JULY 7   Distribute syllabus, complete information sheet, Chapter 1.1, 1.2

JULY 12   Chapter 1.3, 1.4

JULY 14   Chapter 4.1, 4.2, 7.4

JULY 19   **EXAM #1**

JULY 21   Chapter 2.1, 2.2

JULY 26   Chapter 2.3

JULY 28   Chapter 2.4

AUG. 2   Chapter 2.5

AUG. 4   **EXAM #2**

AUG. 9   Chapter 9.1, 9.2
**OUTLINE FOR RESEARCH PAPER DUE**

AUG. 11   Chapter 9.3

AUG. 16   Chapter 9.4

AUG. 18   Chapter 9.5

AUG. 23   **EXAM #3**

AUG. 25   Chapter 6.1, 6.2

AUG. 30   Chapter 6.3, 6.4
**PAPER DUE**

SEPT. 1   Chapter 10.1, 10.2, 10.3

SEPT. 6   **NO CLASS - LABOR DAY**

SEPT. 8   **EXAM #4**

SEPT. 13   **CLASS PRESENTATIONS**

SEPT. 15   **CLASS PRESENTATIONS**