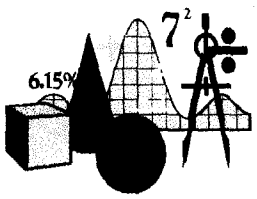

MATH 10060

SE 100

Bmy

SURVEY OF MATHEMATICS

MEETING DATES: April 4 – June 8, 2000
MEETING TIMES: Tuesdays and Thursdays, 4:45 - 6:50 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 (family emergency, medical emergency, military duties beyond student's control) 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

APRIL 4 Distribute syllabus, complete information sheet, discuss outline/paper/presentation, Chapter 6.1

APRIL 6 Chapter 6.2, 6.3, 6.4

APRIL 11 Chapter 10.1, 10.2, 10.3

APRIL 13 **EXAM #1**

APRIL 18 Chapter 2.1, 2.2

APRIL 20 Chapter 2.3

APRIL 25 Chapter 2.4

APRIL 27 Chapter 2.5

MAY 2 **EXAM #2**

MAY 4 Chapter 9.1, 9.2
OUTLINE FOR RESEARCH PAPER DUE

MAY 9 Chapter 9.3

MAY 11 Chapter 9.4

MAY 16 Chapter 9.5

MAY 18 **EXAM #3**

MAY 23 Chapter 1.3, 1.4

MAY 25 Chapter 1.1, 1.2
PAPER DUE

MAY 30 Chapter 4.1, 4.2, 7.4
HOMEWORK NOTEBOOK DUE

JUNE 1 **EXAM #4**

JUNE 6 **CLASS PRESENTATIONS**

JUNE 8 **CLASS PRESENTATIONS**