

WE '03

MATH 100 60
SURVEY OF MATHEMATICS

MEETING DATES: 16 January – 20 March 2003

MEETING TIMES: Thursdays, 4:45 – 8:55 PM

REQUIRED TEXT: *The Nature of Mathematics*, 9th edition, Karl J. Smith

INSTRUCTOR: Mrs. Janet Hume (833-0050; humej@prodigy.net)

COURSE DESCRIPTION: Math 100 is a survey course in mathematics for humanities/non-math majors. The course fulfills the general education requirement in mathematics, but it is not recommended for students who intend to take Math 103, 110, or 210. Topics will be selected to acquaint the student with a broad spectrum in the field of mathematics. Topics will include, but are not limited to: logic, probability, geometry, numeration systems, statistics, equations, interest and installment buying, and graphing.

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 completion of the homework assignment. If you anticipate missing more than one class, it will be difficult to accumulate enough points to earn a passing grade (see grading).

GRADING: The grade in Math 100 will be based on weekly homework assignments, weekly quizzes, attendance, and a required research project. Each homework will be worth a maximum of 20 points and must be handed in on the due date. When you hand in the homework, you will earn all or part of the 20 points, depending on completeness and correctness of the work. Late homework will be accepted within seven days of the due date. However, there will be a five-point deduction for lateness. Quizzes will be worth a maximum of 30 points and will be given during the first 30 to 45 minutes of class. Again, the number of points you receive for the quiz will be dependent upon performance. There is no make-up for missed quizzes. Those who arrive early to class will be allowed to begin the weekly quiz as soon as it is distributed. Five points will be awarded each week to students who are on time and remain until class is dismissed. The research project will be worth a maximum of 50 points and is due at the beginning of the 9th class period. (Details regarding the project are on a separate page.) At the end of the term, your grade will be determined by the number of points you have accumulated according to the following scale:

480-550 = A (outstanding scholarship and an unusual degree of intellectual initiative)

410-479 = B (superior work done in a consistent and intellectual manner)

340-409 = C (average grade indicating a competent grasp of the subject matter)

270-399 = D (inferior work of the lowest passing grade; not satisfactory for fulfillment of prerequisite coursework)

269 or lower = F (failed to grasp even the minimum subject matter; no credit given)

ADDITIONAL NOTES: Bring a calculator to class each week.

Please do all work in **pencil**.

READ your textbook. It is advisable to pre-read chapter sections that will be covered the following week.

**MATH 100
COURSE OUTLINE**

16 JAN **INTRODUCTIONS**
CHAPTER SECTIONS 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.3

23 JAN **HOMEWORK #1 DUE**
QUIZ #1
CHAPTER SECTIONS 1.1, 1.2, 1.3, 4.4, 4.5, 4.6

30 JAN **HOMEWORK #2 DUE**
QUIZ #2
CHAPTER SECTIONS 2.1, 2.2, 4.7, 5.1, 5.2

6 FEB **HOMEWORK #3 DUE**
PROJECT TOPIC APPROVED
QUIZ #3
CHAPTER SECTIONS 2.3, 2.4, 2.5, 5.3, 5.4, 5.5

13 FEB **HOMEWORK #4 DUE**
QUIZ #4
CHAPTER SECTIONS 5.6, 5.7, 5.8, 6.1, 6.2

20 FEB **HOMEWORK #5 DUE**
QUIZ #5
CHAPTER SECTIONS 6.3, 6.4, 8.1, 8.2

27 FEB **HOMEWORK #6 DUE**
QUIZ #6
CHAPTER SECTIONS 7.1, 7.2, 7.3, 9.1, 9.2, 9.3

6 MAR **HOMEWORK #7 DUE**
QUIZ #7
CHAPTER SECTIONS 9.4, 9.5, 11.1, 11.2, 11.3

13 MAR **HOMEWORK #8 DUE**
PROJECT SUMMARY DUE
QUIZ #8
CHAPTER SECTIONS 10.1, 10.2, 10.4, 12.1, 12.2, 12.3

20 MAR **HOMEWORK #9 DUE**
QUIZ #9
PROJECT PRESENTATIONS/DISCUSSION OF PROJECTS
COURSE CONCLUSION