MATH 102 60

INTRODUCTION TO ALGEBRA

MEETING DATES: April 3 – June 7, 2001
MEETING TIMES: Tuesdays and Thursdays, 4:45 - 6:50 PM
REQUIRED TEXT: Beginning Algebra (Fifth Edition) by Gustafson
and Frisk

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

COURSE DESCRIPTION: After a review of the real number system, exponents, and basic properties of real numbers, the topics to be covered in the course are as follows: solving linear equations and inequalities; operations with polynomials; factoring polynomials; working with rational expressions; working with radical expressions; and solving quadratic equations.

GRADING: The grade in Math 102 will be based on four exams, attendance, and participation in class. Exams will be worth 100 to 150 points each, depending on length of exam and amount of material incorporated in the exam. Perfect attendance will be worth 80 points, with four points deducted for each class that is missed. Class participation includes asking and answering questions, completing problems that are assigned in class, and completing homework. Students can earn up to 100 class participation points. At the end of the term, the course grade will be computed by dividing total number of points earned by total possible points.

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. You are expected to follow the procedure outlined herein and keep up with the reading and completion of written exercises.

COURSE OUTLINE

APR. 3   Distribute syllabus, complete information sheet
          Chapter 1 - Sections 1.1, 1.2

APR. 5   Chapter 1 - Sections 1.3, 1.4, 1.5

APR. 10   Chapter 1 - Sections 1.6, 1.7

APR. 12   Chapter 2 - Sections 2.1, 2.2, 2.3

APR. 17   Chapter 2 - Sections 2.4, 2.7, (2.6)
          Review for exam #1

APR. 19   **EXAM #1** - Chapters 1 and 2

APR. 24   Chapter 4 - Sections 4.1, 4.2, 4.4

APR. 26   Chapter 4 - Sections 4.5, 4.6, 4.7, 4.8

MAY 1   Chapter 5 - Sections 5.1, 5.2, 5.3

MAY 3   Chapter 5 - Sections 5.4, 5.5, 5.6, 5.7
          Review for exam #2

MAY 8   **EXAM #2** - Chapters 4 and 5

MAY 10   Chapter 6 - Sections 6.1, 6.2, 6.3

MAY 15   Chapter 6 - Sections 6.4, 6.5

MAY 17   Chapter 6 - Sections 6.6, 6.7
          Review for exam #3

MAY 22   **EXAM #3** - Chapter 6

MAY 24   Chapter 7 - Sections 7.1, 7.2, 7.4

MAY 29   Chapter 7 - Sections 7.5, 7.6

MAY 31   Chapter 9 - Sections 9.1, 9.2, 9.3

JUNE 5   Review for exam #4

JUNE 7   **EXAM #4** - Chapters 7 and 9