

University of North Alabama
Departmental Syllabus

COURSE TITLE: Intermediate Algebra

COURSE NUMBER: MA 100

CREDIT: 3 Semester Hours

COURSE

PREREQUISITE: One unit of high school algebra plus a minimum ACT Mathematics score of 16, or satisfactory completion of MA 099.

COURSE

DESCRIPTION: Principles and techniques of elementary algebra; products, factors, and quotients of polynomials; operations with rational expressions, ratio and proportion; rectangular coordinate system; systems of equations and inequalities; roots and radicals; second-degree equations; the quadratic formula. Recommended: minimum ACT mathematics score of 16 and one unit of high school algebra, or satisfactory completion of MA 099.

COURSE

OBJECTIVES: This course is intended to refresh the student's memory of beginning algebra and to expose the student to additional aspects of algebra and its applications in the scientific and business world. This course also provides the student necessary mathematical background and skills for the study of college algebra or elementary statistics.

COURSE

CONTENT: Properties of Real numbers, exponents, polynomials, factoring, roots and radicals, rational expressions, linear equations, quadratic equations, linear inequalities, linear systems.

COURSE

REQUIREMENTS: Regular class attendance is expected. The student is required to understand the concepts involved in arithmetic concepts in algebraic manipulations. For this reason, **the use of calculators will not be allowed in this class.** The student is required to demonstrate an understanding of definitions and mathematical symbols and an ability to communicate with the correct usage of the language of algebra. He/she is expected to perform the fundamental operations of algebra correctly, and to be able to apply these operations in problem-solving situations. He/she is expected to apply functional descriptions in the development of mathematical models. He/she is expected to engage in both inductive and deductive reasoning.

ACCOMMODATION STATEMENT:

In accordance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973, the University offers reasonable accommodations to students with eligible documented learning, physical and/or psychological disabilities. Under Title II of the Americans with Disabilities Act (ADA) of 1990 and Section 504 of the Rehabilitation Act of 1973, a disability is defined as a physical or mental impairment that substantially limits one or more major life activities as compared to an average person in the population. It is the responsibility of the student to contact Developmental Services prior to the beginning of the semester to initiate the accommodation process and to notify instructors within the first three class meetings to develop an accommodation plan. Appropriate, reasonable accommodations will be made to allow each student to meet course requirements, but no fundamental or substantial alteration of academic standards will be made. Students needing assistance should contact Developmental Services.