

## COURSE SYLLABUS

### MA 112, PRE -CALCULUS ALGEBRA

\*This information is to be completed by the instructor for the course.

#### I. \*INSTRUCTOR INFORMATION

A. Name:

B. Office:

C. Office Phone Number:

D. E-mail Address:

E. Office Hours:

#### II. COURSE INFORMATION

A. Course name, number, and credit hours:

Pre-calculus Algebra, MA 112, 3 credit hours.

B. \*Semester, Section number:

C. \*Class meeting time (days, time, location):

D. Prerequisites: Minimum mathematics ACT score of 22 and credit in high school Algebra I, Algebra II, and Geometry; or grade of C or better in Intermediate Algebra.

E. Course Description: This course emphasizes the algebra of functions – including polynomial, rational, exponential, and logarithmic functions. The course also covers systems of equations and inequalities, quadratic inequalities, and the binomial theorem. Additional topics may include matrices, Cramer's rule, and mathematical induction.

F. Course Objectives: The student shall demonstrate knowledge of

1. The basic concepts of arithmetic.
2. The basic concepts of algebra.
3. Elementary functions.
4. The sequential nature of mathematics and the interrelated nature of the various branches of mathematics.
5. Problem-solving strategies, which shall include reading and interpreting the problem, devising a plan to solve the problem, carrying out that plan, and reflecting on the reasonableness of the answer. Working problems backwards.
6. Estimation, prediction, and an ability to check answers.
7. Spatial relationships.
8. Standard mathematics vocabulary and symbols, and demonstrate the ability to use the language and symbols of mathematics accurately in communication.







## IX. UNIVERSITY POLICIES

A. Academic Honesty: Students of the university academic community are expected to adhere to commonly accepted standards of academic honesty. Allegations of academic dishonesty can reflect poorly on the scholarly reputation of the University including students, faculty and graduates. Individuals who elect to commit acts of academic dishonesty such as cheating, plagiarism, or misrepresentation will be subject to appropriate disciplinary action in accordance with university policy.

Incidents of possible student academic dishonesty will be addressed in accordance with the following guidelines:

1. The instructor is responsible for investigating and documenting any incident of alleged academic dishonesty that occurs under the instructor's purview.
2. If the instructor finds the allegation of academic dishonesty to have merit, then the instructor

B. Communication:

The official method of communication at UNA is UNA portal, with emphasis placed on University email.

C. Disability Accommodations:

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, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Amendment Act of 2008, a disability is defined as a physical or mental impairment that substantially limits average person's major life activities as compared to population. It is the responsibility of the student to contact Disability Support Services to initiate the process to develop an accommodation plan. This accommodation plan will not be applied retroactively. 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 Disability Support Services (256-365-1114).

D. Title IX:

The University of North Alabama has a title IX policy on sexual harassment, sexual violence, sexual assault, and sexual battery. This policy also covers discrimination based on sex, gender, gender identity, gender expression, and sexual orientation. The University of North Alabama is committed to providing a safe and equitable educational environment for all students, faculty, staff, and visitors. The University of North Alabama is committed to providing a safe and equitable educational environment for all students, faculty, staff, and visitors. The University of North Alabama is committed to providing a safe and equitable educational environment for all students, faculty, staff, and visitors.

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... so prohibited. UNA's policies  
... may be accessed at

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