



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

- A. Name:
- B. Office:
- C. Office Phone Number:
- D. E-mail Address:
- E. Office Hours:

A. Course name, number, and credit hours:
Pre-Calculus Algebra and Trigonometry, MA115, 4 Semester Hours

B. Semester, Section number

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

D. Prerequisites: Minimum (math) ACT score of 22 and credit in high school Algebra I, Algebra II, and Geometry; or a grade of C or better in MA112.

E. Course Description: This course is a one-semester combination of Pre-Calculus Algebra and Pre-Calculus Trigonometry intended for superior students.

F. Course Content: Algebra of functions (including polynomial, rational, exponential, and logarithmic); systems of equations and inequalities; quadratic and rational inequalities; the binomial theorem; trigonometric and inverse trigonometric functions (including work with identities and equations); vectors; complex numbers; DeMoivre's Theorem; polar coordinates.

G. Course Objectives:

- Students shall demonstrate knowledge of arithmetic, the basic concepts of algebra and elementary functions.
- Students will gain understanding and a working knowledge of trigonometry.
- Students will learn the sequential nature of mathematics and the interrelated nature of the various branches of mathematics.

Students are expected to be honorable and observe standards of conduct appropriate to a community of scholars. Additionally, students are expected to behave in an ethical manner. Individuals who disregard the core values of truth and honesty bring disrespect to themselves and the University. A university community that allows academic dishonesty will suffer harm to the reputation of students, faculty, and graduates.

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

<http://www.una.edu/student-conduct/policies-and-procedures/academic-honesty.html>

Regular and punctual attendance is expected of all students. Whenever a student's cumulative absences for any reason – excused or unexcused – exceed the equivalent of three weeks of scheduled classes, no credit may be earned for the course. The student will either withdraw from the course or receive an F for the course grade. Any exceptions to this policy will be in accordance with University policy.

Include date, time, and location.

The Final Exam is COMPREHENSIVE and will count for 25% of the final grade.

Grades will be assigned according to the following scale:

A	90% – 100%
B	80% – 89%
C	70% – 79%
D	60% – 69%
F	Below 60%

Include information on the number and type of evaluation methods (exams, quizzes, labs, homework, papers, etc.) with point or percentage values for each.
The Final Exam will count for 25% of the final grade.