

Course Information

Course Number:	Math 1392
Course Name:	Plane Trigonometry
CRN:	17952
Location:	MSC 110
Class Hours:	MWF 9:00am-9:50am
Textbook:	Trigonometry by Dugopolski, 3 rd edition
Prerequisites:	Math 1390 or equivalent

Instructor Information

Name:	Dr. Jeffrey Beyerl
Office Location:	MCS 237
E-mail:	jbeyerl@uca.edu
Phone:	501-450-5652

Office Hours: By appointment or walk-in. Designated walk-in times are:

Monday	10:00-10:50am
Tuesday	8:00-9:15am
Wednesday	8:00-8:15am; 10:00-10:50am
Thursday	8:00-9:15am
Friday	8:00-8:15am; 10:00-10:50am

Course Description

Coupled with College Algebra (MATH 1390), this course satisfies the prerequisites for Calculus I (MATH 1496) as an alternative to MATH 1580. Topics include angles and triangles and their measure, graphs and applications of trigonometric functions, and inverse trigonometric functions, vectors, polar coordinates, and complex numbers. |

Course Objectives and Requirements

The primary objective in this course is to understand trigonometric functions in terms of their properties, relationship with angles, graphs, and identities. |

Grading Policy

Your grade will be computed from quizzes, three tests, and a final exam. Quizzes will be at the start of each class. Quizzes cannot be made up for any reason, however when missed due to an excused absence a quiz may be dropped.

Tests will be administered approximately one-third into the semester, two-thirds into the semester, and the last week of class. Make-up tests will only be given for official university events or personal emergencies. In the former case the test must be taken before official test date, in the latter case a short letter explaining why you missed the test, why this justifies a make-up, and supporting documentation must be turned in by the next class day.

The professor reserves the right to add up to two percentage points to the course average for any student that has shown genuine mastery of the course concepts.

Quizzes	20%
Test 1	15%
Test 2	15%
Test 3	15%
Final Exam	35%

Course Average	Course Grade
[90,100]	A
[80,90)	B
[70,80)	C
[60,70)	D
[0,60)	F

Student Learning Objectives

- Be able to find the value of any trigonometric function of any angle.
- Be able to relate trigonometric functions to angles of triangles and the unit circle.
- Be able to construct the graph of any trigonometric function, including changes in period, amplitude, and phase.
- Be able to perform basic algebra on trigonometric functions, including simplification and solving equations.
- Be able to find the values, construct the graph, and perform basic algebra on inverse trigonometric functions.

Attendance Policy

Your active participation in this course is expected and required for you to learn the material and earn a passing grade. If you fail to regularly and actively participate it will demonstrate that you are not making a reasonable effort to complete this course, and you will be administratively dropped for non-attendance with a grade of WF.

Academic Integrity Statement

The University of Central Arkansas affirms its commitment to academic integrity and expects all members of the university community to accept shared responsibility for maintaining academic integrity. Students in this course are subject to the provisions of the university's Academic Integrity Policy, approved by the Board of Trustees as Board Policy No. 709 on February 10, 2010, and published in the Student Handbook. Penalties for academic misconduct in this course may include a failing grade on an assignment, a failing grade in the course, or any other course-related sanction the instructor determines to be appropriate. Continued enrollment in this course affirms a student's acceptance of this university policy.

Americans with Disabilities Act Statement

The University of Central Arkansas adheres to the requirements of the Americans with Disabilities Act. If you need an accommodation under this Act due to a disability, please contact the UCA Office of Disability Services, 450-3613.

Sexual Harassment and Academic Policies Statement

All students are required to familiarize themselves with the University of Central Arkansas policy on sexual harassment and on academic policies. These policies are printed in the Student Handbook.

Building Emergency Plan Statement

An Emergency Procedures Summary (EPS) for the building in which this class is held will be discussed during the first week of this course. EPS documents for most buildings on campus are available at <http://uca.edu/mysafety/bep/>. Every student should be familiar with emergency procedures for any campus building in which he/she spends time for classes or other purposes.