Course Information

Course Number:	*Math 1392*
Course Name:	Trigonometry
CRN:	20592
Location:	MCS 105
Class Hours:	12:15pm-1:30pm T TH
Textbook:	Trigonometry by Dugopolski (3rd 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: My office hours for each week will be posted outside my office during that week. Typically I am available between 7am and 4pm on school days whenever I'm not otherwise obligated. In particular, I anticipate being available before and after most class sessions.

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, tests, a final exam, and other items as deemed appropriate.
- Other times may include in-class activities, homework, and participation.
- Quizzes will be designed to take between 5 and 15 minutes.
- Tests will be administered approximately one third, two thirds, and three thirds into the semester. ***Note that test 1 is a short partial-period test while tests 2 and 3 are the full 75-minutes.
- 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 before the day you're able to return to class. In the event that a make-up is justified, it must be taken before you are able to return to class. At his discretion, the instructor may choose to administer a make-up test or use the final exam to replace the make-up.
- 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.

Test 1	8%
Test 2	20%
Test 3	20%
Final Exam	32%
Everything Else	20%

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 logically verify trigonometric identities.
- 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.

Tentative Course Progression

Chapter P	2 days, 1 quiz
Last day to Drop Drop means the course is not on your record	January 14th
Chapter 1	3 days, 2 quizzes
Review	1 day
Test 1	Target date: 1st week of February
Chapter 2	4 days, 2 quizzes
Chapter 3	6 days, 2 quizzes
Review	1 day
Test 2 Will be given and graded before the withdraw date below.	Target date: The week before spring break, or the one before that
Last day to Withdraw Withdraw means the course is on your record with a "W" but does not factor into your GPA	March 20th
Chapter 4	4 days, 2 quizzes
Chapter 5	3 days, 2 quizzes
Review	1 day
Last day for WF/WP WF means withdraw failing and is factored into your GPA as an "F" WP means withdraw passing and is not factored into your GPA WF/WP will be decided by whether or not your current grade is above or below 60%. Please see me to verify your grade before withdrawing with a WF/WP.	April 17th
Test 3	Target date: April 16th or 21st
Review	1 day
Final Exam	April 28th, 11:00am-1:00pm.

Outside of class resources

- The Textbook
    - Description of material
    - Example problems
    - Exercise problems
- Blackboard
    - Quiz/test solutions
- Previous course materials (http://faculty.uca.edu/jbeyerl/courses.html)
    - Quizzes, tests, and solutions
- Office Hours
    - Individual help
    - Come with questions
- The Math Resource Lab
    - Tutoring Services
    - Study Area
    - Schedule TBD
- Torreyson Library
    - Tutoring Services
    - Study Areas
    - Schedule TBD

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.

***It is your responsibility to report excused abscesses; 4 unexcused absences will result in an administrative drop.

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.

***Zero tolerance for cheating: if caught you will forfeit your course grade and be reported to the university administration.

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.