**Syllabus:** Plane Trigonometry  
**Course Number:** Math 1316  
**Semester & Year:**

**Instructor Information**

Name: Dana Blackstone  
 Office: Rm 119  
 Telephone: 903-667-2422  
 E-mail: dana.blackstone@dekalbisd.net

**Textbook Information**

“Trigonometry”, 11th Edition, by Lial, Hornsby, Schneider and Daniels

Graphing Calculator: TI-84/TI-84Plus (Not Allowed: TI-89, 92, and TI-Nspire)

**Student Learning Outcomes for the Course**

Upon successful completion of this course, students will:

1. Compute the values of trigonometric function for key angles in all quadrants of the unit circle measured in both degrees and radians.
2. Graph trigonometric functions and their transformations.
3. Prove trigonometric identities.
4. Solve trigonometric equations.
5. Solve right and oblique triangles.
6. Use the concepts of trigonometry to solve applications.

**Student Requirements for Completion of the Course:**

Attend class required amount of time.

Complete homework assignments on time.

Take weekly quizzes, chapter tests and final exam.

There will be a total of 6 chapter tests as follows:

|  |  |  |
| --- | --- | --- |
| Test 1: Chapter 1 | Test 2: Chapters 2 & 7.1-7.3 | Test 3: Chapter 3 |
| Test 4: Chapter 4 | Test 5: Chapter 5 | Test 6: Chapter 6 |

I will replace your lowest test score with your final exam grade if it improves your final average.

Final Exam-There will be a multiple choice comprehensive final exam.

(A final exam review sheet will be provided.)

**Student Assessment**

You have opportunity to earn points in the following 3 areas. Your final grade will be determined by the corresponding percentages.

Weekly quizzes & Homework - 20%

6 Chapter Tests – 60%

Final Exam – 20%

Final Grade = 0.20homework/quiz average + 0.60chapter test average + 0.20final exam

**Grading Scale**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **A** | 90-100 | **B** | 80-89 | **C** | 70-79 | **D** | 60-69 | **F** | 59-below |

**Class Schedule**

See separate Schedule.

**Attendance Policy**

Texarkana College’s absentee policy allows instructors to withdraw a student from a course due to excessive absences. Experience demonstrates that regular attendance enhances academic success.

**Make-up Policy**

Same as De Kalb High School – see student handbook

**Academic Integrity Statement**

Scholastic dishonesty, involving but not limited to cheating on a test, plagiarism, col­lusion, or falsification of records will make the student liable for disciplinary action after being investigated by the Dean of Students. Proven violations of this nature will result in the student being dropped from the class with an “F”.

This policy applies campus wide, including TC Testing Center, as well as off-campus classroom or lab sites, including dual credit campuses. This information can be found in the Student Handbook at <https://texarkanacollege.edu>.

**Disability Act Statement:**

Texarkana College complies with all provisions of the Americans with Disabilities Act and makes reasonable accommodations upon request. Please contact Larry Andrews at 903.823.3283, or go by the Recruitment, Advisement, and Retention Department located in the Administration building for personal assistance.

If you have an accommodation letter from their office indicating that you have a disability which requires academic accommodations, please present it to me so we can discuss the accommodations that you might need for this class. *It is best to request these changes at the beginning if not before the start of class* so there is ample time to make the accommodations..

**Financial Aid:**

**Attention!** Dropping this class may affect your funding in a negative way! You could owe money to the college and/or federal government. Please check with the Financial Aid office before making a decision.

\*The instructor reserves the right to amend the syllabus at any time.