

Math 1316.36819/2S

Plane Trigonometry Syllabus

MATHEMATICS DEPARTMENT

**Division of Arts and Sciences
South Plains College**

Spring, 2019

Charles E. Tabor

Olton High School Dual Credit

Adjunct Professor

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Course Grading Procedures, Attendance Policy, Make-Up Work, and Behavior expectations are attached on a separate sheet of paper. Olton students will enroll for this dual credit class in November, 2018. This class is taught as a college dual credit class during the Spring Semester.

By the end of this course a student should be able to (if passing this course):

- 1. Students will be able to state, apply, and analyze the 6 definitions for each of the 6 trigonometric functions.**
- 2. Students will be able to solve triangles using the Law of Sines and Law of Cosines.**
- 3. Students will be able to find the area of triangles using Heron's Rule and trigonometric formulas.**
- 4. Students will be able to state and use the special right triangle trigonometric ordered pairs including the reference angles related to these ordered pairs.**
- 5. Students will be able to solve trigonometric equations.**
- 6. Students will be able to manipulate trigonometric identities.**
- 7. Students will be able to develop the three Pythagorean Identities.**

- 8. Students will be able to graph the Trigonometric Equation for all 6 trigonometric functions.**
- 9. Students will be able to convert degree measures to radian measures and vice versa.**
- 10. Students will be able to develop the Trigonometric Double Angle formulas and Half Angle Formulas.**
- 11. Students will be able to graph and find values of the Inverse Trigonometric Functions.**
- 12. Students will be able to solve word problems using the Trigonometric Functions.**

Mr. Tabor's Classroom Guidelines – 2018-2019

Materials Needed for Class DAILY!

1. Folder (DO NOT BRING A SPIRAL IN MY CLASSROOM)
2. Textbook, Paper, Pen, and Pencils

Classroom Guidelines

1. All students will be prepared for class by the time the tardy bell begins to ring.
2. You will be expected to maintain verbal and physical self-control at all times.
3. You are to treat others with the same respect with which you wish to be treated.
4. You are responsible for your own actions.
5. You are not allowed to leave your seat without my permission.
6. Homework and quizzes will be given 2-7 times weekly.
7. If you are absent, you will be expected to have the missed assignment completed and handed in to me within the day(s) absent +1.
8. If you have an unexcused absence, you will be expected to follow the same guidelines as in No. 7.
9. Dishonesty is not allowed, nor necessary.
10. You will receive a "0" on an assignment you do not hand in.
11. You will receive a "0" for dishonesty on any test, quiz, or assignment.
12. All assigned work will be graded, recorded, and included in your grade average.
13. All South Plains College policies will be followed.
14. Work hard, have fun and be successful!
15. Any absences that exceed 5 for the semester must be made up and agreed to by the teacher according to South Plains rules for attendance.

Classroom Procedures

1. Class will normally begin before the tardy bell rings.
2. Except for testing days, we will check homework and/or have a quiz.
3. *EVERY PAPER YOU HAND IN MUST HAVE A CORRECT HEADING.*
4. *All classroom notes need to be taken in black or blue ink.*

EXAMPLE:

Subj.-Period-Type of Assignment (HW,PQ,BW,NOTES)

YOUR NAME

Chapt.-Section-Page

DATE

How Grades Are Calculated

40% Daily Grades and Participation 60% Tests

You will have at least 2 tests each 3-Week grading period plus a notebook grade, Pop Quiz Average and Homework Average.

THIS SHEET MUST BE KEPT IN YOUR NOTEBOOK ALL YEAR!!!!!! You will need to have your parents sign this second sheet and then return it to me.

I _____ have read, understand, and expect these guidelines to be enforced. Signed: _____ Date: _____

Parent's Signature: _____ Date: _____