

Math 1316.376

Plane Trigonometry Syllabus

MATHEMATICS DEPARTMENT

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

Spring, 2021

Charles E. Tabor

Olton High School Dual Credit

Adjunct Professor

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Instructor Contact Information:

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Course grading procedures, attendance policy, make-up work, and behavior expectations are included on Page 3.

Students with excessive absences (more than 5) may be dropped from this class with a grade of "F" without written or verbal notification. This student will continue to receive high school credit as long as the high school attendance guidelines are followed. A student who has not satisfied high school attendance requirements by the end of the semester will not receive a college grade in this class.

By the end of this course a student will be able to:

- 1. Solve and graph trigonometric functions;**
- 2. Solve trigonometric equations;**
- 3. Identify, develop, and simplify trigonometric functions;**
- 4. Apply Law of Sine and Law of Cosine in problem solving;**
- 5. Analyze and graph trigonometric functions with transformations;**
- 6. Problem solving involving angular and linear velocity, area of triangles, vectors, angles of elevation and depression;**

- 7. Manipulate, develop, and simplify functions of 2 angles;**
- 8. Solve equations involving inverse trigonometric functions;**
- 9. Solve and graph problems using Polar Coordinates.**

Diversity Statement

In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

Disabilities Statement

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

Non-Discrimination Statement

South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

Title IX Pregnancy Accommodations Statement

If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To [activate](#) accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Director of Health and Wellness at 806-716-2362 or [email cgilster@southplainscollege.edu](mailto:cgilster@southplainscollege.edu) for assistance.