

Trigonometry Syllabus

Course: Math 1316, College Trigonometry

Credit Hours: 3

Instructor: Courtney Bozeman

Office Location: Newcastle ISD

Email: cbozeman@rangercollege.edu

Office Phone: 940-549-3704

Office Hours:

N/A

Texas Core Curriculum Statement of Purpose

Students will gain a foundation of knowledge of human cultures and the physical and natural world, develop principles of personal and social responsibility for living in a diverse world, and advance intellectual and practical skills that are essential for all learning.

Catalog Description

Trigonometric functions, identities, equations, and applications. Use of hand – held calculators in solving application problems.

Required Background or Prerequisites

Math 1314 or concurrent enrollment.

Textbook and Computer System Required

Trigonometry, by: Lial, 10th Edition, ISBN: 0321828100 (Optional)

MyMathLab Access Code (Required)

Graph Paper (Optional)

Graphing calculator (TI – 83 or TI – 84) (Strongly Recommended)

Methods of Instruction

This is a multimedia class. Media/methods include informal lectures, discussion, PowerPoints, computer managed homework, computer delivered tutorials, limited self – pacing, instructional television, and distance delivery via Blackboard. At least one assignment will be conducted in which students will work in three or four member teams to accomplish specific objectives. An example could be to gather data to formulate a system of linear equations in three variables and apply a matrix technique to solve the system.

Core Objectives

This course directly meets the following of the six Core Objectives:

- **Critical Thinking Skills** – to include creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information
- **Communication Skills** – to include effective development, interpretation, and expression of ideas through written, oral, and visual communication
- **Empirical and Quantitative Skills** – to include the manipulation and analysis of numerical data and observable facts resulting in informed conclusions
- **Teamwork** – to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
- **Personal Responsibility** – to include the ability to connect choices, actions, and consequences to ethical decision-making
- **Social Responsibility** – to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

Classroom Policies/procedures

- Regular and punctual attendance in all classes is considered essential for optimum academic success.
- **If a student has the equivalence of three weeks of unofficial absencesthe student WILL be dropped from the class with a grade of F (Ranger College General Catalog).**
- Excessive tardiness (6) may be considered as an absence.
- It is the responsibility of the student to inform the instructor of an excused absence. An absence may be excused by the Dean for participation in an authorized college activity or for a valid medical reason.
- Any student who is disruptive to the class will be dismissed from the class and may be dropped from the course. Any student misconduct will be reported to the Dean of Student Services (See Student Handbook.)
- Any student found with unauthorized material(s) such as cheat sheets, electronic devices, etc. during a quiz/exam or copying from another student's work will be subject to disciplinary action.
- No use of tobacco products is permitted in any campus buildings.

Assessment

Students missing lectures are responsible for getting notes, handouts, etc. from the instructor or classmates. Make up quizzes or exams will be given for official absences and/or at the discretion of the instructor. **Failure to make up a quiz/exam will result in a grade of zero.** The course grade will be computed as follows:

Major Exams	60%
Final Exam	40%

Letter grades will be assigned as follows:

A: 90 – 100, B: 80 – 89, C: 70 – 79, D: 60 – 69, F: below 60

ADA Statement

Ranger College provides a variety of services for students with learning and/or physical disabilities. The student is responsible for making the initial contact with the Ranger College counselor. It is advisable to make this contact **before** or **immediately after** the semester begins.

Non-Discrimination Statement

Admission, employment, and program policies of Ranger College are non-discriminatory with regard to race, creed, color, sex, age, disability, and national origin.

Revision of Syllabus

The content in this syllabus is subject to change based upon the needs of a particular class. Any revisions will be distributed to class members in writing.

