

**Math 4A**

Mr. Jim Gilmore

Office FE-4F

Hours: T 12:00-12:50 a.m. W 6:15-7:15 p.m.

**Trigonometry****KRCC**

Spring 1999

EXT. 365

**COURSE DESCRIPTION:** Trigonometric functions (definitions, special values, and solving right triangles), radian measure (relation to degree measure and linear and angular velocity), graphing, trigonometric identities and equations, inverses, law of sine and cosine, vectors, and polar coordinates.

**OBJECTIVES:** Students will be able to:

- solve the sides and angles of a triangle.
- list the trigonometric values for special angles.
- solve equations involving trigonometric equations.
- graph the trigonometric equations.
- convert equations in Cartesian coordinates to polar coordinates and vice-versa.
- use vectors to solve applied problems.
- measure angles in radians.

**REQUIRED TEXT:** Lial, Hornsby, and Schneider, Trigonometry, Addison Wesley Educational Publishers, 6<sup>th</sup> Edition, 1997.

**ATTENDANCE:** Students are expected to attend all class meetings, be on time, and be in class the entire class session. The only excused absences are those due to a school-related activity or a requirement to appear in court. Calling me to tell me you will be absent **does not** excuse you.

**STUDENTS LEAVING CLASS BEFORE THE END OF CLASS WILL BE COUNTED AS BEING ABSENT!** Your classmates and I would greatly appreciate that students in the class take care of any personal needs (i.e., using the restroom, getting a drink, sharpening a pencil) before class begins. **Five (5) absences** may result in a drop from the course. However, if you decide to drop the course, it is **your** responsibility to make the drop official in the Administrations and Records office or else possibly receive a grade of **F**.

**NOTE:** The drop deadline is **Friday, March 12, 1999**.

**ATTENDANCE GRADE:** Each student will begin the semester with **forty (40)** attendance points. Each absence will result in the loss of four (4) attendance points. If you are absent more than ten (10) times, you will continue to lose four points per absence, but now these points will be taken from other earned points, such as homework and tests.

**TARDIES:** Students are expected to be on time. It is distracting, rude and unfair to fellow classmates and to the instructor when a student is late. Two tardies will be counted as an absence, and each tardy will result in a loss of two (2) attendance points.

**HOMEWORK:** Some homework will be collected. Each assignment collected will be worth ten (10) points and will be graded on completeness, neatness, and effort. Homework should be written on one side of a standard sized paper 8.5" x 11" (No spiral paper please) stapled in the upper left-hand corner, and in order. Homework should be written in pencil. Record the class name, your name, homework (chapter, section and problems), and date on each homework assignment. On graded homework, a selected few problems will be graded. You will also be given homework checks.

Problems must be written out (except word problems) and all work must be shown in order to receive credit. **NO LATE HOMEWORK WILL BE ACCEPTED!** *Note: Being absent the day homework is collected does not entitle you to turn it in late!*

**MAKEUP ASSIGNMENTS:** An optional makeup assignment will be available for each chapter. This makeup is worth five (5) points and can be used to help makeup missed assignments, increase low homework grades or as extra credit homework points.

**TESTS:** You may not makeup a missed test. **NO EXCEPTIONS!**

**FINAL EXAM:** A two hour comprehensive final exam worth 1 test will be given at the end of the semester during finals week. The final exam will replace your lowest test score.

Students are required to participate in all class discussions and activities. You may not start the homework during class. You may not study for another class or read a book during class.

**GRADING:**

- ***HOMEWORK:*** All of your homework scores will be added up and divided by the total possible homework points for the semester. This number is then multiplied by 100 to give a score between 0 and 100.
- ***TESTS:*** All of your test percentages will be averaged. This will give you a score between 0 and 100.
- ***ATTENDANCE:*** Your attendance grade will be the attendance points left divided by 40. This will give you a score between 0 and 100.
- Your homework grade is worth 30% of your grade. Your test score is worth 60% of your grade. Your attendance grade is worth 10% of your grade.

*Example:* If your homework grade is 75, your test grade is 65, and your attendance grade is 90, then you would compute your grade as follows:

$$(.30)(75) + (.60)(65) + (.10)(90) = 22.5 + 39 + 9 = 70.5$$

<u>Percent of Total Points</u>	<u>Grade</u>
89-100	A
78-88	B
65-77	C
55-64	D
0-54	F

*Important Dates*

January 11	Instruction begins
January 18	Martin Luther King, Jr.
February 12	Lincoln Day observed
February 15	Washington Day observed
February 16	Last day to change a class to or from CR-NC Grading
March 12	Mid-term report period
	Nine-week drop date for full-term length course
March 29-April 2	Spring Recess
May 17-21	Final Exams
May 21	Spring semester ends