

Trigonometry Math 4A (78063)

Course Syllabus

Semester/Year: Summer 2015	Instructor: Connie Hébert
Units: 4	Cell phone number: (559)977-6951
MyMathLab Course ID: hebert39204	Email: connie.hebert@reedleycollege.edu

Length: 6 weeks	Schedule
First day – 6/22, Last day – 7/30	All classes meet on Monday – Thursday
Add Deadline: 6/28	Time: 11:45am – 2:35pm
Drop Deadline no W: 6/28	Room: CCI-206
Drop Deadline: 7/9	No Class: 7/3

Course Description

This course in trigonometry of the plane concentrates on trigonometric functions and their applications. Topics covered include the trigonometric functions, solution of right triangles, radian measure, fundamental identities, angular measure, graphs, logarithms, functions of composite angles, oblique triangles, trigonometric equations, inverse trigonometric functions, and complex numbers, including powers and roots. The study of polar coordinates and polar equations is also covered.

Prerequisites: Mathematics 201 and 301 or equivalent

Course Objectives

Students will be able to:

- apply the trigonometric functions to solve for the parts of a triangle.
- evaluate trigonometric functions of both acute and obtuse angles.
- solve problems involving vectors
- apply the concept of radian measure to circular functions
- apply trigonometric identities to simplify algebraic expressions and solve equations.
- apply the concept of polar coordinates to algebraic operations and graphs.
- apply computing and graphing technology.

Course Content Outline

Chapter 1: Trigonometric functions

Chapter 2: Acute Angles and Right Triangles

Chapter 3: Radian Measure and Circular Functions

Chapter 4: Graphs of the Circular Functions

Chapter 5: Trigonometric Identities

Chapter 6: Inverse Circular Functions and Trigonometric Equations

Chapter 7: Applications of Trigonometry and Vectors

Textbook (Optional): Lial, Hornsby, Schneider, Daniels, Trigonometry, 10th Edition. Pearson/Addison Wesley, 2013.

Web Access (Required): MyMathLab access code must be purchased.

<http://www.mymathlab.com/>

The course id is hebert39204

Computer Requirements

- High speed internet access

Microsoft Windows	Windows 8 & 7	Firefox Chrome Internet Explorer 10 & 9
Mac OS	10.8 (Mountain Lion)	Chrome Safari Firefox
	10.7 (Lion)	Chrome Firefox
	10.6 (Snow Leopard)	Safari 5

Other Course Materials

- Whiteboard, sheet protector, or any whiteboard like surface
- Whiteboard marker
- Scientific Calculator

Instructional Methodology/Mode of Delivery

We will work hard together to help you be the best mathematician possible. We will have discussions, lectures, activities, and projects in class. Homework will be assigned almost every day.

Assignments & Tests

Homework will be completed on MyMathLab and turned in there as well. This is a mastery course so you will have as many attempts on a problem as you so choose. It is best to have at least 80% accuracy. Your homework percentage will be a part of your grade. Assignments and their due dates will be posted on MyMathLab. *Note: Being absent the day homework is due does not entitle you to turn it in late!* You will also receive a grade for in class activities. There will be 7 tests, and they will be completed in class. A student caught cheating will receive an F on the assignment and/or may be dropped from the course.

The final will be on Thursday July 30th and will be comprehensive.

Chapter 1 Test

Chapter 2 Test

Chapter 3 Test

Chapter 4 Test

Chapter 5 Test

Chapter 6 Test

Final – June 30th

Academic Dishonesty

Students at Reedley College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to

ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences.

Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

Attendance

After 3 absences, students may be dropped from the class. Late arrival and leaving class early will be considered as an absence. Any canceled classes will have a note posted on the classroom door. I'll do my best to email you as well.

Behavior

A student may be suspended from the class if he or she engages in a classroom behavior that interferes with the learning environment. Such behavior includes, but is not limited to, disruptive conversations with fellow students, regular tardiness, sleeping, and leaving the classroom during class time. Students are expected to turn off all pagers, cell phones, and other electronic devices during class time.

Makeup Work/Late Assignments

In general no late assignments will be accepted. Unless drastic circumstances occur those deadlines are firm. Contact me as soon as possible for any hoped for exceptions.

Assignment Point Values / Grading Policies

Point totals will be collected together and your grade will be based on the grades below. You can keep track of your grade on MyMathLab. If you believe any grade to be in error, please discuss it with me. If you are not satisfied with our discussion, you may take your concern to the dean of this school. Contact me, your program director or your advisor if you feel like you need help with this course.

Assignment Points

Tests	100
Final Exam	200
Homework	10
Class Activities	5 – 15

Letter Grade Percent

A	90% or above
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	below 60%

Special Needs: If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.