

Reedley College
Math 4A
Fall '10 Syllabus

Course: Math 4A, Trigonometry

Schedule number: 56331

Instructor: Ron Reimer

E-mail: ron.reimer@reedleycollege.edu

Phone: (559)638-3641 ext. 3355

Office Hours: TWTh 10:00 to 11:00 am, FEM 1C

Text: Lial, Trigonometry Ninth Edition

Website: <http://www.coursecompass.com/>

Course ID: reimer67658

Meeting times: MWF 11:00 – 11:50 am, MTWTh, 8/16/10 – 12/17/10

Important dates:

Sept 6	Monday	Labor Day
Oct 15	Friday	Last day to drop a full-term class
Nov 11	Thursday	Veterans Day, no class
Nov 25-26	Thurs,Fri	Thanksgiving, no class
Dec 15	Wednesday	Final Exam 11:00 am – 12:50 pm

Course Description: Angles, trigonometric and inverse trigonometric functions, right and oblique triangles, graphs, identities, trigonometric equations, vectors, polar coordinates, De Moivre's Theorem, and applications.

Course Objectives

- A. evaluate trigonometric function values of both acute and obtuse angles using both special angle values and calculator values.
- B. use the unit circle to determine the radian measure of angles and convert from radian to degree measure and vice versa.
- C. derive the basic trigonometric identities, sum and difference formulas, and double-angle and half-angle formulas.
- D. use the Law of Sines and Law of Cosines to solve both acute and obtuse triangles.
- E. use polar coordinates to represent points and to graph polar equations.
- F. represent vectors in the rectangular coordinate system and identify their magnitude and direction; perform operations (addition, subtraction, scalar multiplication and dot product) with vectors.
- G. graph trigonometric functions.
- H. use the trigonometric functions to determine sides and angles of right and oblique triangles.

Attendance: In order to maintain continuity of subject matter regular attendance is imperative in any academic course. Students, who do not attend class consistently, learn less and typically earn lower grades than students who do attend class consistently. You are expected to attend all class sessions, arrive on time and stay for the entire session. Each three times you are tardy to class will be counted as an absence. If more than 8 absences are accumulated on October 15, 2010, you will be dropped from this course. Do not be late to class. If you are not present when role is taken you will be marked absent.

Grading: Grades will be based on three sets of criteria: Homework, Midterm exams and a Final exam.

Homework: Homework will be completed and submitted online through [Course Compass](#). You will be given 3 attempts at each problem before a new problem is generated. There is no limit to how many times you can make 3 attempts and generate a new problem. Course Compass will tell you if you are correct or not and give you an overall score for each assignment. There are many helps available online including videos. **No late homework assignments will be accepted**. Homework will make up twenty-five percent of your grade.

Midterm Exams and quizzes: The midterm exams and quizzes will make up the majority of your grade in this course. In most cases a midterm exam will follow the completion of a chapter in the textbook and cover the material discussed in that chapter only. If appropriate a midterm exam may cover more or less than one chapter in the text. Each student's lowest midterm exam score will not be calculated in her/his overall grade. Midterm exams and quizzes will make up sixty-five percent of your grade.

Final Exam: There will be a comprehensive final exam at the end of this course. The final exam may not be dropped from your grade. The final exam will make up ten percent of your grade. The final exam date for this course is Wednesday December 15, 11:00 am – 12:50 pm.

Grading scale:

Final Percentage Points	Grade
90 < 100	A
80 < 90	B
65 < 80	C
50 < 65	D
0 < 50	F

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 ranging from a failing grade on a specific assignment to a failing grade in the course.

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.

A blackboard website will be maintained for this course. The web address is:

<http://blackboard.reedleycollege.edu>

User Name = *Your student I.D. number*

Password = Your student I.D. number