

**MATH 4A – TRIGONOMETRY (#52931)**  
**Course Id: perez23716**  
Spring 2014

**Instructor:** Mr. Conrad Perez

**Class Time:** MTWF 9:00 AM – 9:50 AM

**Classroom:** MF in POR-4; T in AG 15; W in CCI-205

**Office:** FEM – 1H

**Office Hours:** MTWThF: 11:00 AM – 12:00 PM; or by appointment

**Phone:** 638-3641 ext. 3255

**E-Mail:** conrad.perez@reedleycollege.edu

**Textbook(Optional):** Trigonometry (Tenth Edition) by Lial

**Web Access (Required):** Course Compass access code must be purchased

**Computer Requirements:**

<b>Operating System</b>	<b>Version</b>	<b>Browser</b>
Microsoft Windows	Windows 8 and 7	<ul style="list-style-type: none"><li>• Chrome</li><li>• Firefox</li><li>• Internet Explorer 10 and 9</li></ul>
Mac OS	10.8 (Mountain Lion)	<ul style="list-style-type: none"><li>• Chrome</li><li>• Safari</li><li>• Firefox</li></ul>
	10.7 (Lion)	<ul style="list-style-type: none"><li>• Chrome</li><li>• Firefox</li></ul>
	10.6 (Snow Leopard)	<ul style="list-style-type: none"><li>• Safari 5</li></ul>

- Internet Connection: Cable/DSL, T1 or other high-speed connection. A dial-up connection will not work for this course.
- Adobe Acrobat Reader

**Important Dates:** Drop Deadline- Fri. Mar. 14, 2014.

Days Off- Mon. Jan. 20; Fri.-Mon. Feb.14-17; Mon.-Fri. Apr. 14 - Apr. 18.

Final Exam- Wed. May 21, 2014 from 9:00 AM to 10:50 AM

**Course Prerequisites:** C or better grade in Math 102 and Math 103 or equivalent.

**Course Overview:** The course will cover all or parts of chapters 1-7, and chapter 8 as time permits. The course objective is to obtain a solid understanding of the following trigonometric concepts and problems:

- 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:** After 4 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.

**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, and leaving the classroom during class time. Students are expected to turn off all pagers, cell phones, and other electronic devices during class time.

**Assignments:** There will be 6-8 exams (including the final) worth 200 points apiece. Homework assignments will be worth 10 points apiece and these will be done online at the MyLab/Mastering website: [www.coursecompass.com](http://www.coursecompass.com) Quizzes will be worth 3-10 points each. Some homework and/or extra credit may be assigned as group work during the semester. No homework will be accepted after its due date or no make-up exams will be given without prior arrangements being made before the homework's due date or before the exam. Quizzes cannot be made up. A student caught cheating will receive an F on the assignment and/or may be dropped from the course.

**Grading:** The course grade is based upon the points earned from the homework, quizzes, extra credit, and the exams. At any time during the course, the grade of a student is determined as follows:

$$\frac{\text{Points Earned}}{\text{Total Points Possible}} \times 100 = \text{grade of the student}$$

The grade will be based upon the following percentages (**NO ROUNDING**):

90-100% A    80-89% B    70-79% C    65-69% D    0-64% F

**Note:** 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.