



## Reedley College - Spring 2022 - Course Syllabus Math 4A, Trigonometry, Section #53246

**Instructor:** Ms. Monica Cuevas      **Class time:** T & TH; 6pm – 7:50pm      **Class Location:** CCI-201

**Office hours:** by appointment or email      **Email:** [monica.cuevas1@reedleycollege.edu](mailto:monica.cuevas1@reedleycollege.edu)

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**Basic Skills Advisories:** Eligibility for English 1A or English 1AH

**Subject Prerequisites:** Math 103 or equivalent.

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### Required Material:

- **Textbook (Online & Free):** Trigonometry – This book has been adapted from chapters 7 through 10 of Jay Abramson's Algebra and Trigonometry (OpenStax). Here is the link to the textbook: <https://math.libretexts.org/@go/page/59538>.
- **Online Access Code (Online & Free):** Students are required to create an account in MyOpenMath. **Students who do not have a MyOpenMath account by January 21st will be dropped from the course.**
- **Technology:** Students are required to have access to a computer with high-speed internet. Your browser (i.e. Google Chrome, Firefox, etc.) must have specific plug ins. Clearing your cookies and always allowing pop-ups avoids issues. Most computer labs on campus have computer with high-speed internet. **Technology problems are not an excuse to missing homework.**
- **Additional Material:** Pencils, erasers, and a non-graphing scientific calculator.

### Attendance and Tardy Policy:

- All students are expected to attend every class, be on time, and stay for the entire class.
- Any late arrival and leaving class early will be considered an absent.
- If a student is tardy or absent, it is his/her responsibility to catch up by obtaining notes from a fellow classmate.
- If a student is late, it is their responsibility to inform the instructor, so that the absence can be changed to a tardy.
- Students who are absent for 3 or more days (not necessarily consecutive) will be dropped from the class. If you are feeling sick, please do not come to class and send me an emailing letting me know that you will be absent.
- If a student wants to drop the class, it is their responsibility to drop the class by going to WebAdvisor or Admissions and Records.

### Behavioral, Campus, and Class Policy:

Students engaging in disruptive behavior which interferes with the learning of others will be asked to leave the classroom. Such behavior includes engaging in conversation with another student, regular tardiness, sleeping in the classroom, and not following directions. The use of technology in the classroom is prohibited. Cell phone, pagers, or any electronic device must be turned off or silence and needs to be put away. No earphones/headphones can be worn during class. **Cell phones cannot be used as calculators.** No food or drinks will be allowed in the classroom, except for water.

### Plagiarism and Cheating:

Reedley College rules on plagiarism will be enforced. Students that are caught cheating and students that allow others to copy their work will receive 0% on that assignment (homework, chapter exams, final exam, or any other assignment). Using a cell phone during the test will be considered cheating regardless of the reason using it.

**Grading Policy:** 30% - Homework                      70% - Chapter Exams and Final

**Homework:**

ONLINE HOMEWORK: Online homework will be available at <https://www.myopenmath.com/> and must be turned in before the deadline. Late online homework loses 30% of the points possible and it can only be completed two days after the due date.

WRITTEN HOMEWORK: In addition to answering questions online, students must submit the problems worked out. **To receive full credit all work must be shown, and it must be legible.** The section numbers must be written at the top and answers must be in a box or highlighted. Graphs should be drawn neatly, labeled correctly, have a title, and should be drawn to scale.

EMERGENCIES: Technology is not an excuse to missing homework. To account for such emergencies two of the lowest homework scores will be dropped.

**Participation:** Students are expected to come to class on time, ready to work, and participate in class discussions. Classroom participation is part of your grade and will be counted as part of your homework grade. Every week students will receive 10 participation points. Every time a student is tardy, they lose 1 of these points. Students who are absent or leave early will lose 5 points.

**Chapter Exams:**

All exams are weighted equally and there will be a total of three exams. Students that do not show up for the exam will receive 0%. **Students who are caught cheating will receive 0% on the exam.**

EMERGENCIES: If a student knows in advance that they will not be able to take the exam on the schedule date, then they must schedule a time to take the exam in advance. It is the student's responsibility to make arrangements with the instructor at least two days in advance. Students are not allowed to take the exam after the scheduled time.

**Final Exam:**

The final exam is comprehensive and mandatory. The final exam will be counted as a chapter exam and will be used to replace the lowest chapter exam. A chapter exam cannot replace the final exam. Students that miss the final exam will receive 0% on the final and will not be allowed to makeup the final exam. **Students who are caught cheating will receive 0% on the final exam.**

**Grading Scale:**

90% - 100%	A	70% - 79%	C	Below 60%	F
80% - 89%	B	60% - 69%	D		

**The Math Center:**

- The Math Center offers free tutoring to all Reedley College math students and it's available online. To sign up for tutoring you must enroll in the [Math Center Canvas Page](#). If you have questions, contact the Math Center Coordinator, Becky Reimer, at [rebecca.reimer@reedleycollege.edu](mailto:rebecca.reimer@reedleycollege.edu) or call (559) 638-0300 ext. 3158.

**The Learning Center:**

- The Learning Center offers free tutoring to all Reedley College students and it's available online. To sign up for tutoring you must enroll in the [Learning Center Canvas Page](#). If you have any questions, contact the Learning Center Coordinator, Jim Mulligan at [jim.mulligan@reedleycollege.edu](mailto:jim.mulligan@reedleycollege.edu) or call (559) 638-0300 ext. 3430.

**Important Dates (SPRING 2022):**

- January 10 (M) Start of Spring 2022 semester
- January 17 (M) Martin Luther King, Jr. Day observed (no classes held, campus closed)
- January 21 (F) Last day to drop a Spring 2022 full-term class for full refund
- January 28 (F) Last day to register for a Spring 2022 full-term class in person
- January 28 (F) Last day to drop a Spring 2022 full-term class to avoid a “W” in person
- January 30 (SU) Last day to drop a Spring 2022 full-term class to avoid a “W” on WebAdvisor
- February 11 (F) Last day to change a Spring 2022 class to/from Pass/No Pass grading basis
- February 18 (F) Lincoln Day observance (no classes held, campus closed)
- February 21 (M) Washington Day observance (no classes held, campus closed)
- March 11 (F) Last Day to drop a full-term class (letter grades assigned after this date)
- March 14 - May 20 (M-F) Short-term classes, second nine weeks
- April 11-14 (M-Th) Spring recess (no classes held, campus open)
- April 15 (F) Good Friday observance (no classes held, campus closed) (classes reconvene April 18)
- May 16-20 (M-F) Spring 2022 final exams week
- May 20 (F) End of Spring 2022 semester/ commencement
- **The final is scheduled for Tuesday, May 17 at 6-7:50PM in room CCI-201.**

**Accommodations for students with disabilities:**

- If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact the teacher as soon as possible.
- It is the student's responsibility to schedule their appointments (for tests, finals, etc.,) with the DSPS office as soon as they are announced in class. Any special arrangements need to be done in advance and in writing. No last minute or same day arrangements will be tolerated.

**Course Description:**

The study of trigonometric functions, their inverses and their graphs, identities and proofs related to trigonometric expressions, trigonometric equations, solving right triangles, solving triangles using the Law of Cosines and the Law of Sines, polar coordinates, and introduction to vectors.

**Course Objectives:**

By the end of this course students should be able to:

- Identify special triangles and their related angle and side measures.
- Evaluate the trigonometric function of an angle in degree and radian measure.
- Manipulate and simplify a trigonometric expression.
- Solve trigonometric equations, triangles, and applications.
- Graph the basic trigonometric functions and apply changes in period, phase and amplitude to generate new graphs.
- Evaluate and graph inverse trigonometric functions.
- Prove trigonometric identities.
- Convert between polar and rectangular coordinates and equations.
- Graph polar equations.
- Calculate powers and roots of complex numbers using DeMoivre's Theorem.
- Represent a vector (a quantity with magnitude and direction) in the form  $a_i + b_j$ .

❖ Instructor reserves the right to make minor changes to the syllabus.