Reedley College - Fall 2011 - Course Syllabus

Math 4A, Trigonometry Section # 56483

Instructor: Lina Obeid **Class Room:** CCI200 **Class Time:** M-TH: 11:00 – 11:50 am
Office: FEM 1 O**ffice Hours:** M, W, Th: 10-11am; or by apt
Phone: 638-3641, ext. 3184 **E-Mail:** lina.obeid@reedleycollege.edu

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Basic Skills Advisories: Eligibility for English 126 **Subject Prerequisites:** Successful completion of MATH 102 and MATH 103, or equivalent; *Students should <u>not</u> enroll in this class if they did not fulfill these pre-requisites. Students stand to be dropped from the class if they had not fulfilled the pre-requisites before enrolling.*

<u>**Optional Texts:**</u>
- Lial, Hornsby, Shneider. (2009). *Trigonometry*, 9th edition. Boston: Pearson.

<u>**Required Materials**</u>:
- Coursecompass access code (includes e-book but not hard copy) purchased on coursecompass.com or at the bookstore. Coursecompass access code must be purchased promptly the first week of school. Not having an access code will not be an excuse to get extension on homework.
- Students must come to class ready with graph paper/post-its, one to two single subject spiral notebook, ruler, pencils, yellow highlighter, erasers, mini stapler, and a scientific or graphing calculator – TIs preferably. Check with the instructor to use other calculators. Calculators are prohibited on some exams. The use of pens is not allowed in this class.
- This class requires students to access and/or print materials from Blackboard and/or coursecompass in a timely manner. This class requires access to a computer with a cable/DSL, T1 or other high speed connection.

<u>**Attendance and Tardy Policy:**</u>
- Students who miss the first day of class may be dropped as a "No Show". Students who are trying to add this class must be present in class on time the first day of class to be considered. Even then, it depends on availability, class size, and classroom capacity. Students who do not sign up to coursecompass.com and **complete the homework by Friday, Aug. 19** stand to be dropped from the course.
- Roll is taken daily. Students are expected to attend every class, arrive on time, and stay for the entire class period. Students who are absent or late, or who leave early will receive a zero on the missed, incomplete, or late assignment. **Late work is not accepted**. Emailing or calling does not excuse an absence.
- If a student arrives late, it is his/her responsibility to inform the instructor after class, so the absence can be changed to a tardy. Two tardies or a partially missed lectures count as an absence.
- A student who is absent or late is responsible to get him/her self updated on the missed materials. In that case, that student will need to ask a fellow student for the notes and/or the missed assignments. Students need to make sure they have a reliable student contact from class to get the missing info.   Students can use the math/tutorial center available at Reedley College if they need help understanding the missed material.
- A student *may** be dropped without notice by the instructor after 8 absences (not necessarily consecutive class periods). * **NOTE:** If a student decides to no longer be enrolled in the class, then it is the student's responsibility to follow the Reedley College course schedule or catalog's deadlines and drop in a timely manner to avoid receiving a "W" or an "F".

<u>**Behavioral, Campus, and Academic Policy:**</u>
- Reedley College campus policies and academic regulations will be implemented in this class.
- By enrolling in this class, the student agrees to adhere to any and all of the policies and regulations of this class, as well as adhere to Reedley College campus policies and academic regulations; The instructor reserves the right to communicate only with the enrolled student regarding matters concerning the student or the class.
- Students engaging in any behavior the instructor deems disruptive may be asked to leave class. Teacher reserves the right to assign seats. Food or drink (except bottled water) is not allowed in class.
- Students must act and communicate professionally in class and online.
- This class has an electronic device use policy:
1) The use of electronic devices in the classroom is strictly prohibited. Electronic devices include, but are not limited to cell-phones, pagers, recording devices, CD/DVD/MP3 players. Such devices must be non-operational, turned off, silenced, and put away before entering class. Approved calculators (not cellphones), and documented/required medical devices are allowed.   Headphones are not allowed.
2) Cell phones are strictly prohibited in class at any time. They need to be silent, out of reach, and out of sight. Students are not allowed to place their cell phones on the desks or in plain view at any time during class, even if set to "silent" or "off". Texting in class is prohibited. Students should not leave the classroom to use their phones in the middle of a class period. Cell phones are NOT to be used as calculators. Students using a cell phone during a test are considered to be cheating.
3) Students need to make the instructor aware of any electronic device in use, otherwise they are in violation.

- The best and most immediate way to communicate is face to face, in class or in the office during office hours or by apt. If communicating by email, allow 1 to 2 business days for an online or a face-to-face response. Please note that emailing or calling regarding a tardy or an absence does NOT get the tardy or the absence excused.

- **Grading Policy:**

Students are graded in four major categories according to the following:

      Classwork grades constitute **5%** of the student overall grade**.**

      Homework grades constitute **20%** of the student's overall grade.

      Chapter exams grades constitute **65%** of the student's overall grade.

      Final Exam grade constitutes **10%** of the student's overall grade.

- **Classwork:** Classwork is work assigned and done in class. It may include participation, quizzes, pop-quizzes, notes, or any other work required to be completed while class is in session. Late classwork will not be accepted for any reason. It must be turned in on time upon request. No make-ups or retakes are allowed. Student who are tardy or absent will receive a 0% on the missed assignments. Students are expected to print outline of the lectures from the BlackBoard site and bring them to class on time to take notes. To allow for emergencies, the lowest classwork score will be dropped.

- **Homework:** Homework is assigned on regular basis. Homework will not be accepted late for any reason. Every problem assigned must be worked out in a spiral notebook (used exclusively for this class) thoroughly, completely and neatly, otherwise the work will not receive full credit. Graphs are very important in trigonometry, so they need to be drawn on graph paper, labeled, titled, and scaled accurately and neatly using a ruler. Notebooks will be collected to be graded before every chapter exam. Homework is assigned on coursecompass.com and answers need to be input on coursecompass. Technological problems cannot be used as excuses to get extensions or retakes. The lowest homework score will be dropped to account for emergencies.

- **Chapter Exams**: Six chapter exams will be administered throughout the semester. No make-up exam will be given for any reason, for any of the chapter exams. Students who are not present at the exam time will receive a score of ZERO** on that exam. Students are not allowed to leave and return to an exam once started. To allow for emergencies, the lowest chapter exam score may be replaced by the final exam score.

** **Note carefully:** Exam dates will be announced in advance. If a student has a known **unavoidable business** on the exam date, he/she will be given the chance to take the test early **(before the scheduled exam date/time)** *if and only if* the student makes the appropriate arrangements with the instructor in advance. Students are not allowed to take exams after the scheduled date or time for any reason.

- **The Final exam** is a mandatory comprehensive final - it might contain any of the material covered from the entire semester. Students are not allowed to leave and return to an exam once started. The final exam score may be used to replace the lowest chapter exam score.

The Final will be administered on Monday, December 12 in CCI200 at 11:00am to 12:50pm.

Grading Formula and grades:
- It is the student's responsibility to put in the effort it takes to get the desired grade.
- A student struggling to get a desired grade must get tutoring. Tutoring is available for free at Reedley College.
- The average score within each category may be calculated by adding the earned scores, then dividing them by the sum of the possible scores. The following formula is used to determine the overall grade: Student's overall grade = (Classwork average)(0.05) (Homework average)(0.20) + (Exam average)(0.65) + (Final Grade)(0.10)
- If students need further clarification regarding grades, they are welcome to consult the instructor.

Plagiarism: Reedley College rules on plagiarism will be enforced. Students cheating and students allowing others to cheat off of their assignment will receive a 0% on that assignment (whether it is an exam, a final exam, or any other assignment).

Grading Scale:

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

► **Tips for Success**:
- *Do not expect a good grade for average, mediocre, or poor work.*
- Come to class prepared and on time;
- Attend regularly; do not miss class
- **Do not procrastinate.**
- **Do not make excuses.**
- Turn in well thought-out assignments on time with all the work shown step-by-step;
- Put in the maximum effort daily in every aspect of your work;
- Ask fellow students, and tutors for help;
- Attend MATH CENTER OR the tutorial center for help and tutoring; (Do not wait until you start failing to do so!!)
- Approach the instructor with questions.
- Do not wait until you are failing or you are completely lost to ask questions.
- Form a study group.
- Read the book before attending class.

► **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 test, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible. Any special arrangements need to be done in advance and in writing.

► **Important Dates: FALL 2011**
August 15 (M) Start of Fall semester
August 26 (F) Last day to drop a full-term class for a refund
September 2 (F) Last day to drop a fall full-term class to avoid a "W"
September 5 (M) Labor Day (no classes held, campus closed)
September 16 (F) Last day to change a fall class to/from a Pass/No-Pass grading basis
October 14 (F) Last day to drop a full-term class (letter grades assigned after this date)
November 11 (F) Veterans Day (no classes held, campus is open)
November 24-25 (Th-F) Thanksgiving holiday (no classes held, campus closed)
December 12 (M) Final exam is administered in CCI200 at 11am.

It is the student's responsibility to check course schedule and catalog for other important dates.

► **Course Description:**
As stated in the Reedley College course outline, Math 4A is 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

➢ It is the student's responsibility to put forward the time, effort, and ability needed to master these course objectives upon completion of this course. The lower the student's math ability, the higher will be the student's effort and time needed to master the objectives.

► *The instructor reserves the right to make minor changes to the syllabus.*