

MATH 1613, Trigonometry (Online Section) Spring 2015

<p>Instructor: Lee Ann Brown Office: MSCS 516 Email: brownl@okstate.edu Phone: 744-1807 Office hours (MSCS 516): Mondays, 12:30-1:20 pm Tuesdays, 9:00-10:00 a.m. (at MLSC, 5th floor of the OSU Library) Wednesdays, 12:30-1:20 pm Thursdays, 2:30-3:30 pm Fridays, 2:30-3:30 p.m. Virtual Office Hours: Available by request</p>	<p>Website for this course Desire2Learn (Online Classroom): http://oc.okstate.edu WebAssign (Homework) www.webassign.net WebAssign Technical Support Toll free: 800-955-8275 Technical Support OSU IT Help Desk: 405-744-4357 (or Toll-free 1-877-951-4836) or help@okstate.edu</p>
---	--

Overview of the Course: This online course includes the study of trigonometric functions, solution of triangles and applications to physical sciences.

Course Prerequisites

- ALEKSGOAL, with a minimum score of 50 or MATH 1513 with a minimum grade of C
- No credit will be earned for those with prior credit in MATH 1715 (Precalculus) or any course for which 1613 is a prerequisite.

Course Goals: Demonstrate the skills and competency necessary when working with trigonometric functions for further study in mathematics or sciences. This includes reading, understanding, and applying trigonometry in a variety of situations.

Course Objectives

- Graph trigonometric functions with transformations
- Manipulate and verify identities
- Solve trigonometric equations
- Solve both right and oblique triangles
- Solve application problems involving trigonometry

Textbook/Homework Access

- ***Algebra and Trigonometry with Access (Looseleaf, Custom)**, 3rd Edition, by Stewart, Redlin, and Watson

or

- ***Enhanced WebAssign with e-book (Access code)**

**Note: The looseleaf textbook cannot be sold back to the bookstore. If you buy it through the OSU bookstore, it comes with a WebAssign student access code. You have the choice of buying ONLY the WebAssign access code, either through the student bookstore or directly from WebAssign when you register.*

You should sign up for WebAssign right away. There is a 14-day grace period to enter the access code to continue doing homework. Go to <http://www.webassign.net> and self-enroll.

- You will need a **class key** that corresponds to this section of Trigonometry. The class key for the online section of Trigonometry this semester is: **okstate 1256 4533**
- You will also need the **student access code** that comes with your textbook (or can be bought separately). See the note (*) above.

More Required/Recommended Material

- **Calculator (required):** A graphing calculator is recommended, but a (non-graphing) scientific calculator may be used. It must be able to calculate trigonometric functions (sine, cosine, tangent) in degrees and radians, as well as inverse trigonometric functions. Cell phone calculators are not allowed. Only one calculator may be used on exams. **Note:** The Mathematics Department (located in MSCS 401) has a limited number of graphing calculators for student check-out, starting on the first day of classes.
- Colored pencils or pens (optional)

Lecture Presentations: Video presentations of mini-lectures are located in Desire2Learn (D2L) under the Contents tab. The videos are listed by week/chapter/section under the Contents tab. Each video covers one topic or one example problem, and average about 5 minutes in length. There are printable “Lecture Notes” that go along with each set of videos, to help you organized. It is suggested that you print these lecture notes before viewing the videos, so that hand-written notes can be used to help with homework problems and for reviewing before exams.

Attendance Policy: You are required to log in to the Desire2Learn course website at least once each week, but it is recommended that you check the website several times each week. If you have not logged in during the first two weeks, you will be reported for non-attendance.

Grading Policy

Homework (scaled)	100 points
Discussion Board Postings in D2L (scaled)	100 points
Group Work (scaled)	100 points
Exams	<u>500 points</u>
TOTAL	800 points

A: 90% or higher	B: 80-89.5%	C: 70-79.5%	D: 60-69.5%	F: 59% or lower
720-800 pts.	640-719 pts.	560-639 pts.	480-559 pts.	0-479 pts.

Homework: You will do all homework in a website called *WebAssign*, which also gives you access to the e-textbook. All homework deadlines are listed in WebAssign. The homework is typically due on Tuesdays or Thursdays at 11:59 p.m. You can submit each problem up to 5 times. At the end of the semester, the total of all WebAssign homework points will be *scaled* to **100 points** (your percentage \times 100). The maximum number of points that can be earned for the semester is 100 points. Homework will not be available after the due date for the assignment. Please **keep a copy of your written work** for every homework assignment so that you can review it later, or so that you can ask a question about it.

Discussion Board: Each week, you will have an assignment to post to the discussion board, due on Sundays at midnight. The weekly discussion posts are worth 10 points each. The total will be *scaled* to **100 points** (your percentage x 100).

Group Work: Students will be assigned to groups, and an assignment will be given to each group. Students may work together to solve the problem(s) using an area in the discussion board designated for the group. Group work is due on Monday evenings at midnight. **Each student in the group is responsible for submitting his/her own solution** using the “Dropbox” in D2L. Each assignment is worth 10 points. At the end of the semester, the lowest two group work grades will be dropped and the grade will be *scaled* to **100 points** (your percentage x 100 points).

Exams: There will be three 100 point exams and a 200 point final exam. The first three exams will be based on material learned during the period between exams. The final exam is comprehensive, so it will contain material learned throughout the entire semester. Exams will be administered in-person, either on the OSU campus or through a proctor (see below). You will be required to show your work and all steps leading to the solution. You will be given 55 minutes for each of exams 1, 2, and 3. For the final exam, you will be given 1 hour and 50 minutes. If you use a proctor, the exam must be taken on one of the two possible days listed in the table below.

	Exam 1	Exam 2	Exam 3	Final Exam
OSU campus (Room TBA)	Thursday, Feb. 12, 5:30 p.m.	Thursday, Mar. 26, 5:30 p.m.	Thursday, Apr. 23, 5:30 p.m.	Wednesday, May 6, 6:00-7:50 p.m.
or				
Approved testing center	Feb. 11 or 12	Mar. 25 or 26	Apr. 22 or 23	May 5 or 6

Proctors/Testing Centers: Exams for this course may be taken either on campus or at an approved testing center. If you wish to take your exam with a proctor, please have your proctor download an approval form at http://asoutreach.okstate.edu/images/pdf/Proctor_Agreement.pdf. Proctor forms must be **submitted and approved** prior to Exam 1. Note that acceptable proctors include university testing centers, a director of a company training program, or people in similar positions of authority. Proctors cannot be friends or relatives of the student. Proctors are subject to approval by the instructor and by the staff of the OSU Arts and Sciences Outreach.

Instructor Response: During the regular work week (Monday through Friday), I am frequently online and will check my e-mail and the discussion board regularly. The discussion board can be used to ask either me or your classmates for guidance in understanding the material and/or help in working homework problems. You will also have some assignments that require you to post to the discussion board. If you need to contact me privately, please send me an e-mail and include in the subject line “MATH 1613 **online**”. I will try to reply within 24 hours during the regular work week, or within 48 hours on weekends.

Make-up Exam Policy: Make-up exams will be given only in extreme circumstances, if documentation for the absence can be provided and is verifiable. Valid reasons for make-up exams include:

- University activities (field trips, research presentations, athletic teams, etc.)
- Military obligation
- Jury duty or other mandatory court appearance
- Serious illness or injury
- Serious illness in immediate family (parent, sibling, spouse, son, daughter)

If you believe a make-up exam may be applicable, please notify the instructor by e-mail at brownl@okstate.edu prior to the missed exam (if possible), informing the instructor of the reason for missing the exam. Notification *after* the exam will only be accepted in an emergency situation. If you know several days in advance that you will miss an exam (jury duty, athletics, etc.), it may be possible to take an *early* exam. You must provide **appropriate documentation** to verify the absence.

Incomplete Grade: The grade of “I” is given to students who satisfactorily completed the majority of the course work and whose work averages “D” or better, but who have been unavoidably prevented from completing the remaining work of the course. The conditions, including appropriate time limits, for the removal of the “I” are indicated on the official class roll by the instructor. A condition that the student must repeat the course in order to remove the “I” is not permitted. The maximum time allowed for a student to remove an “I” is one calendar year.

Academic Dishonesty/Misconduct: Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct of its members. This level of ethical behavior and integrity will be maintained in this course. Participating in a behavior that violates academic integrity (e.g., unauthorized collaboration, plagiarism, multiple submissions, cheating on examinations, fabricating information, helping another person cheat, unauthorized advance access to examinations, altering or destroying the work of others, and fraudulently altering academic records) will result in your being sanctioned. Violations may subject you to disciplinary action including the following: receiving a failing grade on an assignment, examination or course, receiving a notation of a violation of academic integrity on your transcript, and being suspended from the University. You have the right to appeal the charge. Contact the Office of Academic Affairs, 101 Whitehurst, 405-744-5627. Go to academicintegrity.okstate.edu for a short video on OSU’s academic integrity policy and additional information.

Office of Student Disability Services

315 Student Union/405-744-7116 <http://sds.okstate.edu/>

According to the Americans with Disabilities Act, each student with a disability is responsible for notifying the University of his/her disability and requesting accommodations. If you think you have a qualified disability and need special accommodations, you should notify the instructor and request verification of eligibility for accommodations from the Office of SDS. Please advise the instructor of your disability as soon as possible, and contact Student Disability Services, to ensure timely implementation of appropriate accommodations. Faculty has an

obligation to respond when they receive official notice of a disability but are under no obligation to provide retroactive accommodations. To receive services, you must submit appropriate documentation and complete an intake process to verify the existence of a qualified disability and identify reasonable accommodations.

Syllabus Attachment: You are individually responsible for meeting university deadlines and for following university procedures. The general university syllabus attachment, containing much information of this nature, can be found on the Academic Affairs' web site:

<http://academicaffairs.okstate.edu/faculty-a-staff>

“Netiquette”

Here are some guidelines for communication in this course:

- DO NOT USE ALL CAPS. It is equivalent to shouting when using electronic communication.
- Use humor/sarcasm carefully.
- If you feel someone has not treated you with respect, contact your instructor.
- Discussions should be kept to the current topic.
- Think about what you have written before posting it.
- Use correct grammar and proofread.
- Always show respect for your fellow students.