

**MATH 1613, Trigonometry (Online Section)
Spring 2016**

<p>Instructor: Lee Ann Brown Office: MSCS 516 Email: brownl@okstate.edu Phone: 744-1807 Office hours (MSCS 516): Mondays, 3:30-4:30 p.m. Tuesdays, 10:30 a.m.-12:00 p.m. Thursdays, 10:30 a.m.-12:00 p.m. Fridays, 3:30-4:30 p.m. <i>at the MLSC, 5th floor of OSU Library</i> 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>
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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 60 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 option of buying **ONLY the WebAssign student access code.*

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 1322 6174**
- 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 highly recommended for this course, but a (non-graphing) scientific calculator may be used. It must be able to calculate trigonometric functions (sine, cosine, tangent) in both degrees and radians, as well as inverse trigonometric functions. *These calculators are not allowed: cell phone calculators, laptops, handheld computers, and calculators with wifi and/or built-in computer algebra systems (for instance, TI-89, TI- 92, TI-Nspire, or similar calculators).* **Only one calculator may be used** on exams or other assignments. Please check with your instructor to determine whether your calculator is allowed. Note: The OSU Mathematics Department has a limited number of graphing calculators for students. Go to MSCS 401 as early in the semester as possible to “rent” a calculator for one semester.

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 stay organized. It is suggested that you **print these lecture notes before viewing the corresponding**

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.

WebAssign Homework: You will do most homework in *WebAssign*, an online homework system. All homework deadlines are 11:59 p.m. on the dates listed in WebAssign (and in the course schedule). 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 **150 points** (your percentage \times 150). The maximum number of points that can be earned for the semester is 150 points. If you have a question about a homework problem, you can use the “Ask Your Teacher” feature in WebAssign. Please keep a copy of your written work, which will help your instructor locate your errors if you ask for help. Any correct answer submitted *before* the due date will receive full points. **Late homework will be accepted with a 50% penalty**, up to 5 days after the due date. You must *request* an extension, which will be granted automatically. Each correct answer submitted *after* the due date will receive the 50% penalty.

Written Homework: In the first week of the semester, students will be assigned to a study group. Assignments will be given to each group and students have the option of working together on the written homework problem(s) using an area in the discussion board designated for the group. Any work submitted **must be your own work** and cannot be copied from another student. Written homework is due at midnight in the D2L “Dropbox” on the date listed on the schedule. **Each student is responsible for submitting his/her own work.** Each assignment is worth 10 points. At the end of the semester, the **lowest ONE written homework score will be dropped.** The total number of points possible in this grade category is 100 points. **Copying the work of another student, even if he/she is a group member, is not allowed and may result in academic misconduct/dishonesty charges.**

Discussion Board: There will be **four discussion board assignments** in the semester. The requirements for each of the assignments will be posted in the discussion board area in Desire2Learn (D2L). Each discussion post is worth 13

points, for a maximum of **50 points** in the semester or 6.25% of the total points available. Late posts will be accepted for up to 24 hours after the original deadline with a *two-point penalty*.

Grading Rubric for Discussion Board:

	Level 4	Level 3	Level 2	Level 1
Points	13 points	10 to 12 points	8 to 9 points	7 points or below
Criteria	Student fully met all requirements; submitted relevant links or documents, formatted properly, and did not duplicate other posts; posted material and/or summary appropriate to the topic; noticeable time/effort spent on the post	Student met most, but not all requirements for Level 4; links or documents were mostly relevant; no duplication of other posts; material mostly appropriate to topic; some time/effort spent on post	Student posted a web link for the wrong topic or section; web link not clickable; posted too many items.	Student met few if any of the requirements; posted a link that did not work; required sign up or purchase of content; link was previously posted by another student.

Exams: There will be three 100 point exams and a 200 point final exam. The final exam is comprehensive, so it will contain material learned throughout the entire semester. **Exams will be administered either on the OSU campus or through an approved proctor (see below).** On each exam, 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	Wednesday, Feb. 17 6:00-6:55 p.m. MSCS 514	Wednesday, Mar. 23, 6:00-6:55 p.m. MSCS 514	Wednesday, Apr. 20, 6:00-6:55 p.m. MSCS 514	Wednesday, May 5, 6:00-7:50 p.m. MSCS 514
Proctored	Feb. 16 or 17	Mar. 22 or 23	Apr. 19 or 20	May 4 or 5

Proctors/Testing Centers: Exams for this course may be taken either **on campus** or at an **approved college or university testing center**. If you wish to take your exam with a proctor, please download an approval form at http://asoutreach.okstate.edu/images/pdf/Proctor_Agreement.pdf, have it filled out by your proctor and return it to the address listed on the form. Proctor forms must be **submitted and approved** prior to Exam 1. Note that acceptable proctors include **only college or university testing centers**, unless special permission is granted. All proctors are subject to approval by the instructor and by the staff of the OSU Arts and Sciences Outreach.

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

If you believe you need to take a make-up exam, contact your instructor, **Lee Ann Brown**, by e-mail at brownl@okstate.edu . You should contact her **well in advance (at least 3 days) of the missed exam** to ask for permission to take a makeup exam and to inform her of the reason for missing the exam. In circumstances where the exam cannot be taken *early*, **arrangements must be made immediately after the missed exam** and the makeup exam must be taken **within one week** of the scheduled exam. If a makeup exam is allowed, a **penalty of up to 15%** may be assessed.

Grading:

Grade Item	Points Available	Percentage of Grade
WebAssign Homework (scaled)	150	18.75%
Discussion Board	50	6.25%
Written Homework (scaled)	100	12.50%
Exams	500	62.50%
Total	800	100%

Final grades will be determined as follows:

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

Instructor Response: During the regular work week (Monday through Friday), I am frequently online and will check my e-mail regularly. Please send e-mails to brownl@okstate.edu 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.

MLSC: There is free tutoring available in the Math Learning Success Center (MLSC), on the *fifth floor of the OSU Library*. They are open during the following hours:

Tutoring and Computer Lab Hours	
Monday-Thursday:	9:00 a.m. to 9:00 p.m.
Friday:	9:00 a.m. to 5:00 p.m.
Sunday:	1:00 p.m. to 9:00 p.m.

Online Tutoring at the MLSC: Students who are enrolled in an online mathematics course or who commute to Stillwater are eligible to participate in online tutoring at the MLSC. The sessions will take place on Tuesday and Thursday evenings from 5:00-8:00pm. Tutoring is free, but you need to email Dr. Mills memills@math.okstate.edu to sign up and receive the login information. Please write “Sign up for Online Tutoring” in the subject line of your email.

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 Integrity

<http://academicintegrity.okstate.edu>

OSU is committed to maintaining the highest standards of integrity and ethical conduct. 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 altering academic records) will result in an official academic sanction. 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.

Office of Student Disability Services (SDS)

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> and choose Faculty and Staff Resources, then the Syllabus attachment for the appropriate semester).