

**MATH 1613, Trigonometry (Online Section)  
Fall 2017**

<p><b>Instructor:</b> Lee Ann Brown <b>Office:</b> MSCS 516 <b>Email:</b> <a href="mailto:brownl@okstate.edu">brownl@okstate.edu</a> <b>Phone:</b> 744-1807 <b>Office Hours:</b> M 1:30-2:20 p.m. T 10:30-11:30 a.m. W 3:30-4:20 p.m. R 2:00-3:00 p.m. at the MLSC (5th floor OSU Library) F 2:30-3:20 p.m. All office hours are in MSCS 516, unless otherwise indicated. Other times are available by appointment; please arrange by email.</p>	<p><b>Virtual Office Hours:</b> Available by request <b>Online Classroom</b> Brightspace by D2L: <a href="http://online.okstate.edu">online.okstate.edu</a> <b>WebAssign (Online Homework)</b> <a href="http://www.webassign.net">www.webassign.net</a> <b>WebAssign Technical Support</b> Toll free: 800-955-8275 <b>OSU Technical Support</b> OSU IT Help Desk: 405-744-4357 (or Toll-free 1-877-951-4836) or <a href="mailto:help@okstate.edu">help@okstate.edu</a></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
- Combined credit for MATH 1513, MATH 1613 and MATH 1715 limited to six hours.

**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**

- Solve triangles using trigonometric functions
- Understand radian measure and the unit circle
- Solve application problems involving trigonometry
- Calculate the values of trigonometric functions
- Sketch the graphs of trigonometric functions with transformations
- Verify trigonometric identities
- Solve trigonometric equations

## Textbook/Homework Access

- **\* WebAssign Access code**
- NOTE 1: The WebAssign Access code contains the e-book *Algebra and Trigonometry*, Fourth Edition, by Stewart, Redline, and Watson. You do NOT need to purchase a textbook separately.
- NOTE 2: If you have previously taken this course here at OSU (and used exactly the same textbook), you can use your previous WebAssign account and will not need to purchase a new access code.

WebAssign is the online site where you will do most of your homework. You should sign up for WebAssign right away. There is a 14-day grace period to enter the access code, starting with the first day of the semester. 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 5037 1384
- You will also need the **student access code** (which you must purchase).

## More Required/Recommended Material

- **Calculator (required):** A **calculator** (either graphing or non-graphing) is required for this course. It must be able to calculate trigonometric functions (sine, cosine, tangent) in both degrees and radians, as well as inverse trigonometric functions. **Only one calculator may be used on exams or other assignments.** The OSU Mathematics Department has a limited number of graphing calculators for students to use during the semester on a first-come, first-served basis. **These calculators are not allowed:** cell phone calculators, laptops, handheld computers, calculators with wifi, or built-in computer algebra systems. Some of the prohibited calculators include: TI-89, TI-92, TI-Nspire CAS. We will follow the same calculator usage policy as the ACT test. See the list of prohibited calculators at: <http://www.act.org/content/act/en/products-and-services/the-act/taking-the-test/calculator-policy.html>. Please check with your instructor to determine whether your calculator is allowed.

**Lecture Presentations:** Video presentations of mini-lectures are located in the online classroom. Log in to the online classroom (Brightspace by D2L) using your O-Key username and password at [online.okstate.edu](http://online.okstate.edu). Then go to the Contents tab where you will see the weekly modules. The videos are listed by week/section under the Contents tab. Each video covers one topic or one example problem, and most are 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 taken. These should help you with homework problems and reviewing before exams.

**Attendance Policy:** It is recommended that you log in to the online classroom several times each week to keep updated on assignments. Communication from your instructor will be done mostly through announcements posted in the online classroom (Brightspace by D2L) website and/or through emails, so it is important to check both regularly.

**WebAssign Homework:** You will do online homework in *WebAssign*. All deadlines are 11:59 p.m. on the dates listed in WebAssign (and in the course schedule). You can attempt each homework 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), so 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 you and/or your instructor (if you ask for help) locate your errors. Any correct answer submitted *before* the due date will receive full points. **Late homework will be accepted with a 50% penalty (per problem), up to 5 days after the due date.** You must *request* an extension in WebAssign and your extension request will be granted automatically. (Note: Extension requests cannot be made until after the deadline. At that time, an “Ask for Extension” button will appear by the assignment.)

**Written Homework:** Written assignments will require you to write full solutions and submit an electronic file containing your handwritten solution to the online Dropbox. You may seek help doing the problems, but **your submitted work must be your own and cannot be copied from another student, from a tutor, or from a website.** Each assignment is due at midnight in the Dropbox of the online classroom (Brightspace by D2L) on the date listed in the schedule. **Late homework is not accepted.** Each assignment is worth 20 points. At the end of the semester, the **ONE lowest written homework score will be dropped** and then your total points will be *scaled* to 150 points (your percentage  $\times$  150). The total number of points possible in this grade category is 150 points. **Copying the work of another student, a tutor, or a website is not allowed and may result in academic misconduct/dishonesty sanctions.**

**Exams:** There will be three 100 point exams and a 200 point comprehensive final exam during the semester. **Exams will be administered either on the OSU campus or through an approved proctor (see “Proctors/Testing Centers” below).** **All exams are given on the same test dates regardless of how you plan to take the exams.** On each exam, you will be required to show your work and all

steps leading to the solution. You will be given 50 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 the same day as the in-class exam.

	<b>Exam 1</b>	<b>Exam 2</b>	<b>Exam 3</b>	<b>Final Exam</b>
<b>*In-class exams (OSU campus)</b>	Wednesday, Sep. 20, 4:30-5:20 p.m. <b>MSCS 514</b>	Wednesday, Oct. 25, 4:30-5:20 p.m. <b>MSCS 514</b>	Wednesday, Nov. 15, 4:30-5:20 p.m. <b>MSCS 514</b>	Wednesday, Dec. 13, 6:00-7:50 p.m. <b>MSCS 514</b>

\*Proctored exams must be taken on these same dates, at any time an appointment is available.

**Proctors/Testing Centers:** Exams for this course may be taken either **on campus** or at an **approved college or university testing center**. On the OSU campus, tests can be taken at the University Assessment and Testing for a fee. If you wish to take your exam with a proctor, please download the proctor agreement form from the course website, have it filled out by your proctor and then return it to your instructor. Proctor forms must be **submitted and approved** at least one week before the first exam. 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.

**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 at [brownl@okstate.edu](mailto:brownl@okstate.edu) to explain the reason for missing the exam. If you know in advance of the need for a makeup exam, you should contact her at least 3 days before the exam to ask for permission to take a makeup exam. In circumstances where notification cannot be given prior to the exam, **arrangements must be made within 24 hours of the missed exam** and the makeup exam must be taken within one week of the scheduled exam.

**Exam Replacement Opportunity:** You are allowed to replace ONE of the first three exam scores with your *percentage* score on the final exam, *after* a 20-point deduction from the raw score. For instance, if your first three exam scores are 85, 78, and 63, and your final exam score is 160 out of 200 (or 80%), then you can replace the

third exam score (63) with a score of 70 (calculated as follows:  $160 - 20 = 140$ ;  $140/200 = 70\%$ ). If this calculation results in a score *lower* than your lowest score on the first three exams, then there will be no exam replacement. The final exam is mandatory and no other exam scores may be used to replace it.

**Grading:**

Grade Item	Points Available	Percentage of Grade
WebAssign Points (scaled)	150	18.75%
Written Homework (scaled)	150	18.75%
Exams	500	62.5%
<b>Total</b>	<b>800</b>	<b>100%</b>

Final grades will be determined as follows:

Percentage	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](mailto:brownl@okstate.edu) and include in the subject line “**Online Trig**”. 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
<b>Sunday:</b>	1:00 p.m. to 9:00 p.m.
<b>Monday-Thursday:</b>	9:00 a.m. to 9:00 p.m.
<b>Friday:</b>	9:00 a.m. to 5:00 p.m.
<b>Saturday:</b>	Closed

**MLSC Weekly Trig Reviews and Exam Reviews:** To be announced  
 For more information on the MLSC, visit their website: [www.math.okstate.edu/mlsc](http://www.math.okstate.edu/mlsc)

**Academic Integrity**

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.

Students have the responsibility of upholding the academic integrity of this course and this university. Some instances of academic dishonesty/misconduct include:

- Copying the work of another student
- Getting questions or answers from someone who has taken an exam
- Inappropriate use of technology during an exam
- Working on an assignment with others when the instructor asked for individual work
- Turning in work that is identical or very similar to others' work
- Inappropriately sharing or using the work of another student on an online assignment, quiz, or exam
- Having another student take an examination
- Using a false excuse to obtain an extension on a deadline

To read the entire Academic Integrity policy for Oklahoma State University, go to: <https://stw.sp.okstate.edu/policies/Shared%20Documents/Academic%20Integrity%20Policy.pdf>

**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.

### **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).

*Note: Any changes in the syllabus will be communicated to you in writing by the instructor.*