TRIGONOMETRY, Math 1613--011 Fall 2014			
Instructor:	Dr. Xiaowei Yang		
Office:	MSCS 435	**Office phone:**	744-2304
Office hours:	Office hours at MLSC (5th floor of Library): **MW 12:00--1:00PM; Friday 12:00--1:00pm** at office MSCS435; other times are available by appointment. Please arrange appointment times by e-mail.		
E-mail:	xyang@math.okstate.edu Please put "1613 student, MWF [1:30]" in the subject line of your e-mail.		

Course Description: This course includes the study of trigonometric functions, solution of triangles and applications to physical sciences. The prerequisite test required is ALEKSGOAL with a minimum score of 50, or previous credit in 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.

Textbook/WebAssign Access
- *Algebra and Trigonometry w/Access**, Third Edition, by Stewart, Redline, and Watson.
OR   *WEBASSIGN Access Code

Note: The textbook is looseleaf and <u>cannot be sold back to the bookstore</u>. You may choose to buy 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 using the first/last names used on your official OSU enrollment. It is recommended that you use the same username as on your O-Key login. The institution is *okstate*. 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. **Your class key is:**
    <u>okstate</u>   <u>8989</u>   <u>9247</u>
- You will also need the *student access code* that comes with your textbook or purchased alone.

Other Required Material and Optional Material
- 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. *Cell phone calculators, laptops, handheld computers, and calculators with built-in computer algebra systems (TI-89, TI-Nspire CAS, etc.) are not allowed. 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.
- **Lecture notes (optional):** These are available in the online classroom (D2L). Go to: https://oc.okstate.edu/ and log in using your O-Key username and password. The notes will be located under the "Contents" tab.
- **Colored pens or pencils** (optional; these may be helpful when graphing)

Tutoring: There is free tutoring available in the Math Learning Success Center (MLSC), located on the fifth floor of the OSU Library. Your instructor will be holding some office hours there as well.

Exams: There will be three 100 point exams and a 200 point comprehensive final exam. The dates are:

Exam 1: Sep 17, 2014	**Exam 2:** Oct 15, 2014
Exam 3: Nov 19, 2014	**Common Final:** December 8, 4:00-5:50 p.m. in **MUR 035**

Group Work and Quiz Grade (100 points): About once a week, a group work assignment or quiz will be given during class. These are usually *unannounced* and **you must be present for the whole class period** to participate. The total for all these will be *scaled* **to 100 points** (your percentage × 100). There will be *no make-up* on group work assignments or quizzes. You will be allowed to drop your *two* lowest scores from this grade category.

Written Homework (50 points): *Hand-written* homework assignments will be worth 10 points each and will be turned in during class. The lowest *two* grades from written homework will be dropped at the end of the semester, then the total of all written homework points will be *scaled* **to 50 points** (your percentage × 50). *Written homework will only be accepted after the due date if the reason for your absence meets the criteria for a make-up exam (see "Make-Up Exams," documentation required). Late homework will not be accepted after the graded homework has been returned to the rest of the class.*

WebAssign Homework: Homework is typically due on a day your class meets, at 11:59 p.m. The due dates are listed in WebAssign. 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 × 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. If you have a question about a problem, please write it down and bring it to class. Please **keep a copy of your written work.**

Attendance: There will be 50 points available for class attendance. You get three **"free"** absences. For every absence *after* the first three absences, 3 points will be deducted from the 50 point total. You must be present for the **entire class period, awake and attentive, without distracting behavior (coming and going from class, talking, wearing headphones, using an electronic device, etc.)** to be counted as present.

Course Evaluation: Course grades will be determined according to the following distribution.

Group Work/Quiz Grade (scaled)	100 points
Written Homework (scaled)	50 points
WebAssign Homework (scaled)	100 points
Attendance	50 points
Exams	500 points
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.

Make-Up Exams: Make-up exams will be given only in extreme circumstances, if documentation for the absence can be provided and is verifiable. Valid reasons (documentation required) 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 a make-up exam may be applicable, please notify the **course coordinator, Lee Ann Brown,** by e-mail at brownl@okstate.edu prior to the missed exam (if possible), informing her 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** for the absence.

Attendance, Courtesy, and Electronics Usage: Regular class attendance is expected.
Common courtesy is expected. Here are a few things to remember:
- Be **on time** and be **attentive; remain in the room** the entire time (unless you are ill).
- Show courtesy to those around you by **not talking** to classmates while the instructor is talking.
- **Only one calculator** may be used on quizzes, exams, or other assignments. **No other electronic devices** (cell phones, laptops, tablets) are allowed. Use of more than one calculator, or use of another electronic device will be considered an act of academic dishonesty/misconduct.
- Please **do not use a cell phone or other electronic device during class time.**

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: (015 University Health Services) - 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 Student Disability Services. Please advise the instructor of your disability as soon as possible, and contact Student Disability Services, to ensure timely implementation of appropriate accommodations. Faculty have 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 during which the existence of a qualified disability is verified and reasonable accommodations are identified. Call 405-744-7116 or go to www.okstate.edu/ucs/stdis/.

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).

Final Note: Any changes in this syllabus will be communicated to you in class by the instructor.

MWF Class Schedule, MATH 1613, Fall 2014   *WebAssign Homework due at 11:59 p.m.

Wk	Monday	Wednesday	Friday
1	**Aug. 18** Syllabus, Intro, 6.1	**Aug. 20** 6.1 Angles	**Aug. 22** 6.1 Angles
2	**Aug. 25** 6.2 Right Triangle Def. *Nonrestrictive drop/add deadline; drop with 100% refund*	**Aug. 27** 6.2 Right Triangle Def. *6.1	**Aug. 29** 6.3 Trig Def. Using x, y, r *Last day to drop with an automatic W and partial refund*
3	**Sep. 1** **Labor Day Holiday**	**Sep. 3** 6.3 Trig Def. Using x, y, r *6.2	**Sep. 5** 6.4 Inverses I *6.3
4	**Sep. 8** 6.5 Law of Sines *6.4	**Sep. 10** 6.5 Law of Sines	**Sep. 12** 6.6 Law of Cosines *6.5
5	**Sep. 15** **Review** *6.6	**Sep. 17** *Ex1Review Exam 1	**Sep. 19** 7.1 Unit Circle
6	**Sep. 22** 7.2 Unit Circle Def. *7.1	**Sep. 24** 7.2 Unit Circle Def.	**Sep. 26** 7.3 Sine, Cosine Graphs
7	**Sep. 29** 7.3 Sine, Cosine Graphs *7.2	**Oct. 1** 7.3 Sine, Cosine Graphs	**Oct. 3** 7.4 Other Graphs *7.3
8	**Oct. 6** 7.4 Other Graphs	**Oct. 8** 7.5 Inverses II *7.4	**Oct. 10** 7.5 Inverses II
9	**Oct. 13** **Review** *7.5	**Oct. 15** *Ex2Review Exam 2	**Oct. 17** Algebra Review and 8.1 Identities
10	**Oct. 20** 8.1 Identities *Algebra Review	**Oct. 22** 8.1 Identities	**Oct. 24** **Fall Break** *OSU Homecoming Weekend*
11	**Oct. 27** 8.2 Sum, Difference	**Oct. 29** 8.2 Sum, Difference *8.1	**Oct. 31** 8.3 Double, Half Angles *8.2
12	**Nov. 3** 8.3 Double, Half Angles	**Nov. 5** 8.4 Equations I *8.3	**Nov. 7** 8.4 Equations I *8.4A *Last day to drop/withdraw with a W*
13	**Nov. 10** 8.5 Equations II *8.4B	**Nov. 12** 8.5 Equations II	**Nov. 14** 8.5 Equations II *8.5A
14	**Nov. 17** **Review** 8.5B	**Nov. 19** *Ex3Review Exam 3	**Nov. 21** 9.1 Polar Coordinates *Last day to withdraw from all courses with W or F*
15	**Nov. 24** 9.1 Polar Coordinates 9.2 Polar Graphs	**Nov. 26** **Thanksgiving Break** *Last day to withdraw with grade of W or F*	**Nov. 28** **Thanksgiving Break**
16	**Dec. 1** 9.2 Polar Graphs *9.1	**Dec. 3** *Review for Final Exam* *9.2	**Dec. 5** *Review for Final Exam* *FinalExReview

Common Final Exam: Monday, Dec. 8, 4:00-5:50 p.m. in MUR, Room035

WebAssign Self-Enrollment for OSU Mathematics

1. Go to http://www.webassign.net/v4cgi/selfenroll/classkey.html. Type the class key your instructor gave you in the three boxes that appear. In the first box, you'll type okstate. In the second two, you'll type four-digit numbers. Click Submit.

Enter the Class Key that you received from your instructor. You will only need to complete
this once. After you have created your account, you can log in on the main page.

Class Key

[   ] [   ] [   ]
Class Keys generally start with an institution code, followed by two sets of four digits.

Submit

2. You should get a screen that says that your Class Key has been recognized. Make sure the section and instructor information match the class in which you're enrolled. If not, check to be sure you have the right Class Key. If the information is right, click "Yes, this is my class."

Enroll with Class Key

    Your Class Key has been recognized.

Verify Class Information

    Course: Math 2153 --- Section 000
    Instructor: Chris Francisco
    Oklahoma State University

Yes, this is my class.   No, this is not my class.

3. You will be asked if you already have a WebAssign account. If you have one from another OSU class, then use that one. If you don't already have an account, select, "I need to create a WebAssign account," and click Continue.

◉ I need to create a WebAssign account.

    ⚠ IMPORTANT: If you have already created a WebAssign account for this class, do not create another account. **Creating duplicate accounts may cause you to lose work you have already completed.** If you are having problems logging in, you may contact WebAssign for assistance or reset your password online.

○ I already have a WebAssign account.

Continue   Cancel

4. If you're creating a new account, you will now be asked to pick a username and password. For your username, we recommend that you use your short O-Key login. Your institution code is okstate, and that should be entered already. Pick a password that would be hard for others to guess. Then under student information, please enter your first and last names, e-mail address, and OSU student number. When you're done, click "Create My Account."

5. You may be prompted for an Access Code; it depends on whether you've entered one before and, if so, what type of code you had. You may use WebAssign for two weeks for free but will need a code after that if you haven't entered a multi-semester code before. If you have issues with Access Codes, please call WebAssign support at (800) 955-8275.