

PRECALCULUS, Math 1715 Fall 2015	
Instructor:	Gerri Petty
Office Hours:	MWF 11:30 – 1:20; other times are available by appointment. Please arrange appointment times by e-mail.
E-mail:	gerri.petty@okstate.edu Please put 1715 STUDENT in the subject line of your e-mail. In addition, in the body of your e-mail, please identify the day and time of your discussion section. For instance, 1715 STUDENT, TR 2:00.
Office phone:	405-744-1802 (office) 405-612-1122 (cell) .

Course Description: This is an integrated College Algebra and Trigonometry course. The prerequisite test required is ALEKSGOAL, with a minimum score of 40. This course includes the study of quadratic equations, functions and graphs, systems of equations, exponential and logarithmic functions, sequences and series, trigonometric functions and graphs, solution of triangles and applications to physical sciences.

Textbook/WebAssign Access

- ***Algebra and Trigonometry w/Access**, Third Edition, by Stewart, Redline, and Watson.

OR *WEBASSIGN Access Code (without printed textbook)

**Note: The textbook is looseleaf and cannot be sold back to the bookstore. You may choose to buy only the WebAssign access code.*

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:**
okstate
- You will also need the **student access code** that comes with your textbook or purchased alone.

Other Required Material

- **Turning Technologies Response Card NXT (Register your clicker on our D2L Site)**
- **Lecture notes:** These are available in the online classroom (D2L). Go to: <https://oc.okstate.edu/> and log in using your O-Key username and password. These notes will be located under the “Contents” tab.
- 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 CAS, 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.

Tutoring: There is free tutoring available in the Math Learning Success Center (MLSC), located on the fifth floor of the OSU Library.

Class Format: The lecture section of this class is the time when new material is introduced. Smaller discussion sections meet on Tuesday and Thursday with a discussion instructor. During the discussion sections, homework questions are answered and group activities or quizzes are given. When *written* homework is due, it will be turned in during the discussion section.

Type	Days/Times	Section	Instructor	Classroom
Lecture	MWF 1:30-2:20		Gerri Petty	AGH 101
Discussion	TR 9:30-10:20	001	Bei Xiao	HSCI 331
Discussion	TR 10:30-1:20	002	Bei Xiao	HSCI 305
Discussion	TR 11:30-12:20	003	Yuan Kong	HSCI 305
Discussion	TR 12:30-1:20	004	Yuan Kong	AGH 009
Discussion	TR 1:30-2:20	005	Uddhaba Pandey	HSCI 004
Discussion	TR 2:30-3:20	006	Uddhaba Pandey	AGH 009

WebAssign Homework: Homework is typically due 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 \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, so remember to start early. ***Computer problems or internet issues are not valid reasons for late homework.*** If you have a question about a homework problem, you can use the “Ask Your Teacher” feature in WebAssign, but remember that your instructor may not be available to respond immediately. You may bring questions to discussion class to ask your instructor. Please **keep a copy of your written work**, which will help your instructor locate your errors if you ask for help.

Group Work and Quiz Grade: Group work and quizzes will be given during discussion class. **You must be present for the whole class period** to participate. **Each assignment is worth 20 points.** You will be allowed to drop your *two* lowest scores from this grade category. The total for all these will be *scaled* to **100 points** (your percentage \times 100). There will be ***no make-up*** on group work assignments or quizzes.

Written Homework: Separate *written* homework will also be due and turned in during discussion class. **Each assignment is worth 20 points.** At the end of the semester, the lowest *two* grades from written homework will be dropped and the total of all written homework points will be *scaled* to **50 points** (your percentage \times 50). ***Late homework will not be accepted.***

Class Participation: Clickers will be used in the “lecture” section of the class each day. You will be required to purchase a clicker, which is linked to an ID number. You may use the same clicker in different courses. You will not be able to share a clicker with another student within the same course.

- Each day of lecture, there will be an opportunity to earn points by answering clicker questions. For each question, you can receive 0.5 point for a correct response and 0.25 points for an incorrect response. The class participation grade will be capped at 50 points.
- Having another student use a clicker for you, or using a clicker for another student, is a violation of Academic Integrity. Violators will be prosecuted according to University policy.

Exams: There will be four 100 point exams and a 200 point comprehensive final exam. The dates for the exams are as follows:

Exam 1: Wednesday, September 16	Exam 2: Wednesday, October 7
Exam 3: Wednesday, October 28	Exam 4: Wednesday, November 18
Final Exam: Friday, December 11, 2:00-3:50 p.m.	

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 contact your instructor Gerri Petty by e-mail at gerri.petty@okstate.edu. You should contact her **prior to the missed exam** (if possible) to ask for permission to take a make-up exam and to inform her of the reason for missing the exam. Notification must be given in a timely manner (usually within 24 hours after the exam). If a make-up exam is allowed, a **penalty of up to 15%** may be assessed. Make-up exams may not be granted if notification is not timely or if the reason for the make-up exam is not sufficient.

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

Grade Item	Points Available	Percent of Total Grade
Online Homework (scaled)	100 points	11%
Group Work/Quiz Grade (scaled)	100 points	11%
Written Homework (scaled)	50 points	5.5%
Class Participation (capped)	50 points	5.5%
Exams	600 points	67%
Total	900 points	100 %

Letter grades will be assigned according to the following scale.

A: 90% or higher	B: 80-89.5%	C: 70-79.5%	D: 60-69.5%	F: 59% or lower
810-900 pts.	720-809 pts.	630-719 pts.	540-629 pts.	0-539 pts.

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), and 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. Calculators must be approved (no computer-algebra systems or internet capabilities). **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 and may result in a grade of 0 on the exam/quiz, or a grade of F for the course.
- **Do not use a cell phone (texting, surfing the internet, etc.)** or other electronic device during class time. If this behavior persists after you have been asked to stop, you may be counted as absent.

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).

Additional Resources:

OSU Police	744-6523
Stillwater Police	372-4171
OSU Student Counseling Center	744-5472
OSU Counseling Psychology Clinic	744-6980
OSU Psychological Services Center	744-5975

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

Tentative Class Schedule*, MATH 1715, Fall 2015

Wk	Monday	Wednesday	Friday
1	Aug. 17	Aug. 19	Aug. 21
	Syllabus 1.1 Basic Equations	1.1 Basic Equations 1.2 Modeling	1.3 Quadratics 1.4 Complex Numbers
2	Aug. 24	Aug. 26	Aug. 28
	1.5 Other Equations 1.6 Inequalities 1.7 Absolute Value	2.1 Coordinate Plane 2.2 Graphs	2.4 Lines
3	Aug. 31	Sep. 2	Sep. 4
	3.1 Functions 3.2 Graphs of Functions	3.3 Information...Graph 3.4 Ave. Rate of Change	3.5 Transformations
4	Sep. 7	Sep. 9	Sep. 11
	Labor Day Holiday	3.6 Combining Functions	3.7 Inverses END EX1 MATERIAL
5	Sep. 14	Sep. 16	Sep. 18
	4.1 Quadratic Functions	Exam 1	4.2 Polynomials 4.3 Division
6	Sep. 21	Sep. 23	Sep. 25
	4.4 Real Zeros 4.5 Complex Zeros	4.6 Rational Functions	5.1 Exponentials 5.2 Natural Exponentials
7	Sep. 28	Sep. 30	Oct. 2
	5.3 Logarithms 5.4 Log Laws	5.5 Exp/Log Equations	5.6 Modeling Exp/Logs END EX2 MATERIAL
8	Oct. 5	Oct. 7	Oct. 9
	6.1 Angles	Exam 2	Fall Break
9	Oct. 12	Oct. 14	Oct. 16
	6.2 Right Triangle Trig	6.3 Trig...Angles	6.4 Inverses I 6.5 Law of Sines
10	Oct. 19	Oct. 21	Oct. 23
	6.5 Law of Sines	6.6 Law of Cosines	7.1/7.2 Trig...Real Numbers END EX3 MATERIAL
11	Oct. 26	Oct. 28	Oct. 30
	7.3 Trig Graphs	Exam 3	7.3 Trig Graphs
12	Nov. 2	Nov. 4	Nov. 6
	7.4 More Trig Graphs 7.5 Inverses II	8.1 Identities	8.2 Add/Sub Formulas
13	Nov. 9	Nov. 11	Nov. 13
	8.3 Double-angles	8.4 Trig Equations I	8.4 Trig Equations I END EX4 MATERIAL
14	Nov. 16	Nov. 18	Nov. 20
	8.5 Trig Equations II	Exam 4	11.1 Systems...Equations
15	Nov. 23	Nov. 25	Nov. 27
	11.2 Systems, 3 variables	University holiday	University holiday
16	Nov. 30	Dec. 2	Dec. 4
	13.1 Sequences & Sums	13.2 Arithmetic Seq.	<i>Review for Final Exam</i>

Final Exam: Friday, December 11, 2:00-3:50 p.m.

***Tentative Class Schedule**, MATH 1715, Fall 2015**

Section	WebAssign Due Dates (11:59 p.m.)
Algebra Review	8/25/15
1.1	8/26/15
1.2	8/26/15
1.3	8/27/15
1.4	8/28/15
1.5	8/31/15
1.6	8/31/15
1.7	9/1/15
2.1	9/2/15
2.2	9/3/15
2.3	9/4/15
3.1	9/8/15
3.2	9/8/15
3.3	9/9/15
3.4	9/10/15
3.5	9/11/15
3.6	9/14/15
3.7	9/14/15
Exam 1 Review	9/15/15
4.1	9/21/15
4.2	9/22/15
4.3	9/23/15
4.4	9/24/15
4.5	9/25/15
4.6	9/28/15
5.1	9/29/15
5.2	9/29/15
5.3	9/30/15
5.4	10/1/15
5.5	10/2/15
5.6	10/5/15
Exam 2 Review	10/6/15

Section	WebAssign Due Dates (11:59 p.m.)
6.1	10/13/15
6.2	10/15/15
6.3	10/19/15
6.4	10/20/15
6.5	10/21/15
6.6	10/23/15
7.1/7.2	10/26/15
Exam 3 Review	10/27/15
7.3	11/3/15
7.4	11/4/15
7.5	11/5/15
8.1	11/9/15
8.2	11/10/15
8.3	11/11/15
8.4	11/16/15
Exam 4 Review	11/17/15
8.5	11/23/15
11.1	11/24/15
11.2	12/1/15
13.1	12/3/15
13.2	12/4/15
Final Exam Review	12/10/15