TRIGONOMETRY
Math 106 (Section 002)
Spring 2020

INSTRUCTOR:	Saadat Moussavi
DAY/TIME:	Mondays, Wednesdays ..... 1:50 – 2:50
ROOM:	Swart 325
OFFICE:	Swart 242
PHONE:	(920) 424-1074
EMAIL:	moussavi@uwosh.edu
OFFICE HOURS:	Mondays, Wednesdays, ... 11:00 – 1:45 Tuesdays, Thursdays, Fridays ..... By appointment
TEXT:	*College Algebra & Trigonometry* Julia Miller and Donna Gerken
COURSE COVERAGE:	We will cover the following topics: Chapter 5 … Trigonometric Functions (5.1 – 5.7) Chapter 6 … Analytic Trigonometry (6.1 – 6.5) Chapter 7 … Applications of Trigonometric Functions (7.1 – 7.4)
CALCULATOR:	TI83 or TI84 Graphic Calculator **Note:** TI89 and TI92 will not be allowed in-class exams, and quizzes.
ONLINE ACCESS:	We will use "ALEKS" in this course. Sign-in at www.aleks.com and, when prompted, enter the following code: **FD44V-RNN4A**
ALEKS:	Assessment and Learning in Knowledge Spaces ("ALEKS") makes up the majority of the homework in the course. An adaptive homework system that does not use multiple choice. You will need to work out the problems on paper and pencil before submitting answers on the computer.
INITIAL KNOWLEDGE CHECK:	Once you have acquired the ALEKS license via the bundle, go to www.aleks.com, and enter the code: **FD44V-RNN4A** If this is the first time you are using ALEKS, you will be required to take the **Initial Knowledge Check**. Please finish this assessment as soon as possible. It is important that you do your best, answer questions as

	accurately by yourself, without the aid of others, in order for ALEKS to properly gauge your skills so that you will have the best possible experience with the programs.
ALEKS CUSTOMER SUPPORT:	For ALEKS customer support, call (714) 619-7090 or online through the contact information at www.aleks.com. ALEKS customer support is available: Sundays from 3:00 PM to 12:00 AM, Mondays – Thursdays from 6:00 AM to 12:00 AM, Fridays from 6:00 AM to 8:00 PM.
CAMPUS COMPUTER SUPPORT:	For on-campus computer support, contact UWO's Academic Computing at 424-3020 or send an email helpdesk@uwosh.edu.
EXAMS:	Two midterm exams + final exam. Exam I: ..... 5th week Exam II: ..... 10th week Final Exam: ..... 14th week
EXAM MAKE-UPS:	Make-ups for the missed exams will be available only in very special cases. If you expect to miss a scheduled test due to extenuating circumstances and expect to get any consideration with respect to a make-up, I should be notified at least 24-hours in advance.
QUIZZES:	You will be quizzed on a regular basis. Students are required to work as a team of three/four people.
QUIZ MAKE-UPS:	There will be **NO** make-ups on quizzes.
HOMEWORK:	Homework problems will be assigned using ALEKS at www.aleks.com. Class Code: **FD44V-RNN4A** All homework is due by midnight on the date displayed on ALEKS time line.
EARLY ALERT INFORMATION:	To provide you with early feedback on your performance in the course, our class will participate in the Early Alert Program. It is common for students to be unaware of or over-estimate their academic performance in classes, so this will help you be aware early on of your progress and provide strategies for success in the classroom. The registrar's office will send an email to students with academic and/or attendance issues during the 5th week of classes. If you receive such an email, be sure you read it carefully and arrange to meet with me or a counselor to develop an appropriate action plan.

GRADING:	Exam I ..... 22% Exam II ..... 22% Quizzes ..... 20% ALEKS ..... 10% Final 26%
ALEKS FEEDBACK:	An advantage of an online homework system is instantaneous feedback. • Problems come from specific topics that are divided up by section of the textbook. Credit for a topic is awarded when enough problems are correctly solved. This is determined by ALEKS and is based on each individual's readiness for progression. • Instead of solving a problem there is an option to see an explanation of the solution. However, this will not count toward completing a topic. • Topics that are not complete in time to receive credit for the assignment are revisited at the end of each chapter. This provides another chance at that topic. • Review problems are available in ALEKS. • ALEKS makes the following available: a grade book, a progress report, a time line, and an ALEKS Pie which shows both the number of topics that have been completed as well as a number that are remaining. • Even though ALEKS is online, every problem needs to be worked out by hand with paper and pencil. Students are encourage to have a dedicated notebook for their ALEKS assignments. Their notes will be useful for completing similar problems or when seeking aid from the instructor or a tutor.
LEARNING OUTCOMES:	The goal of this course is to give students appreciation of trigonometry and its tools in order for them to be successful in other mathematics and science courses. It focuses on problem solving, critical thinking and learning basic concepts in trigonometry. Upon successful completion of the course, students are expected, but are not limited, to do the following. • Be able to communicate graphically, numerically, and algebraically in the notation and vocabulary of trigonometry. • Display a working knowledge of sine, cosine, and tangent using right triangle geometry as well as on the unit circle. • Be able to use the graphs to the periodic behavior of the trigonometric functions. • Have a basic understanding of how identities show equivalence, and know how to prove elementary identities using more basic properties of trigonometric functions.

	• Gain exposure to more sophisticated famous identities such as the half and double-angle formulas and product-sum and sum-product identities. • Be able to model and predict situations using trigonometry.
SCALE:	**Letter** ..... **% Range** A ..... [93, 100] A^- ..... [89, 93) B^+ ..... [86, 89) B ..... [80, 86) B^- ..... [76, 80) C^+ ..... [73, 76) C ..... [67, 73) D^+ ..... [64, 67) D ..... [57, 64)