

Math 106: Trigonometry Spring 2020

Section	Class Time	Room
001	11:30 - 12:30 MW	Swart 127
003	3:00 - 4:00 MW	Swart 13

Instructor: Dr. Syed Kamran Kazmi
E-mail: kazmis@uwosh.edu

Office: Swart 201
Phone: (920) 424-1017

OFFICE HOURS: MTWF: 12:40 – 1:40. I am happy to meet with you at other times if these do not work with your schedule. Please contact me by email or in class to schedule an appointment.

USP EXPLORE COURSE: Math 106 is an Explore course within the Nature category of UW Oshkosh's University Studies Program. Math 106 and other Explore courses are part of your liberal arts education. These classes broaden your understanding of the world and equip you with transferable skills, like problem solving.

PREREQUISITES: Math 104 with a grade of "C" or better or placement.

REQUIRED MATERIAL

Text: College Algebra & Trigonometry by Julie Miller and Donna Gerken, 1st edition, McGraw-Hill (custom textbook with ALEKS code) available at the UW Oshkosh book store.

ALEKS: An ALEKS code is required. ALEKS is an on-line homework system for mathematics. We will use ALEKS for assigning most of the homework in this course. **Class Code: DGCDK-6ELAT** is needed to register for this class.

Calculator: TI 83 or 84. Consult with me if you want to use any other calculator for quizzes and exams. In no case, you will be allowed to use any symbolic algebraic calculators (e.g. TI Nspire) on quizzes or exams.

COURSE COVERAGE: We will cover topics from chapter 5, 6, and 7 of the textbook.

COURSE DESCRIPTION: In this course, we will cover basic circular functions and their inverses, trigonometric identities and equations, triangle trigonometry, Law of Sines, and Law of Cosines. Students may not receive credit for both Math 108 and Math 106. This class along with Math 104 will count as Math 108

LEARNING OUTCOMES: Upon successful completion of the course, students will:

- Be able to communicate graphically, numerically, and algebraically in the notation and vocabulary of trigonometry.
- Demonstrate a working knowledge of sine, cosine, and tangent using right triangle geometry as well as on the unit circle.
- Be able to graph trigonometric functions using their periodic behavior.
- Have a basic understanding of trigonometric identities 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.

EXAMS: There will be three one hour in-class exams. **Dates of the exams will be announced at least a week in advance.** It is very important that you take the examinations at the scheduled times. **Make up exams will be scheduled only for those with university approved absences.**

QUIZZES: A total of 5 quizzes will be given. **Dates of quizzes will be announced in class in advance.** They will be short (approx. 10 minutes) and based on topics studied in class and your homework. No makeup quiz will be allowed unless you have a valid excuse for missing the quiz.

IN CLASS ACTIVITIES: We will spend some time on short in-class activities intended to reinforce the concepts learned. For some of these activities, you will work individually and for others you will work in small groups. You are expected to actively participate in these activities.

HOMEWORK: Homework will be assigned each class period. Doing problems reinforces the concepts learned in the class and is crucial to learning mathematics. Moreover, doing homework problems is a good preparation for the exams and quizzes.

An online homework system **ALEKS** will be used to assign and grade most of the homework problems. ALEKS is an excellent online tool that provides you immediate feedback on the correctness of your answers. You can access ALEKS at <http://www.aleks.com/>.

CENTER FOR ACADEMIC RESOURCES: The Center for Academic Resources (CAR) provides free, confidential tutoring for students in most undergraduate classes on campus including Math 106. CAR is in the Student Success Center, Suite 102. Check the Tutor List page on CAR's website (www.uwosh.edu/car) for a list of tutors. If your course is not listed, click on a link to request one, stop by SSC 102 or call 424-2290. To schedule a tutoring session, simply email the tutor, let him/her know what class you are seeking assistance in, and schedule a time to meet. Tutoring takes place in SSC 102. The Center for Academic Resources also provides support to students through Supplemental Instruction (SI) and the Peer Educator program. Visit the center's website for more information.

DISABILITY ACCOMMODATIONS: It is the University's policy to provide reasonable accommodations to students who have documented disabilities that may affect their ability to participate in course activities or to meet course requirements. Students are expected to inform instructors of the need for accommodations as soon as possible by presenting an Accommodation Plan from either the Accessibility Center, Project Success, or both. The Accessibility Center is located in 125 Dempsey Hall. For more information, email accessibilitycenter@uwosh.edu, call 920-424-3100, or visit the Accessibility Center Website (<https://uwosh.edu/deanofstudents/accessibility-center/>).

ATTENDANCE POLICY: Students are expected to attend class regularly, take an active part in class discussions and in-class activities, and do the assigned work. You are responsible to be aware of any changes to the syllabus which may be announced in class.

CANVAS WEBSITE: Canvas is the University's system for online grade keeping and course management. I will post the lecture slides and your quiz and exam grades on Canvas. Any supplementary material related to the course will also be placed there. You can access Canvas by logging in at canvas.uwosh.edu.

EARLY ALERT: After the fourth week of class, you will receive a grade for your overall progress in this course and each of the courses you are taking in the University Studies Program. This process is called “Early Alert.” You will receive this information in an email during the 5th week of classes. Early Alert is designed to help you evaluate your study skills and your class attendance so that you know if you are on the right track. If you need to make some changes, there are resources available to support your academic success. These Early Alert grades are not permanent and will not appear on your transcript.

CELL PHONE POLICY: Cell phone use for the purposes of texting, email or other social media is not permitted. Cell phones must be turned off and put away during class. If there is a need to leave your cell phone on, such as a family emergency, please put it on vibrate and leave the room quietly to take the call.

ACADEMIC INTEGRITY: As a UW Oshkosh student, it is your responsibility to be informed about what constitutes academic misconduct, how to avoid it and what happens if you decide to engage in it. Examples of Academic Misconduct include, but are not limited to: Plagiarism; Copying another student's homework, assignment; Cheating on an exam; etc. Any form of academic misconduct will be dealt with in accordance with UW system policy UWS 14. Penalties that may be imposed include a failing grade for the course, disciplinary probation, and expulsion from the university.

<https://uwosh.edu/deanofstudents/student-conduct/academic-misconduct/>

ALEKS CUSTOMER SUPPORT: For ALEKS customer support, call (714) 619-7090 or go online at <http://www.aleks.com/>. ALEKS customer support is available from Sundays 3PM-12AM, Mondays-Thursdays from 6AM to 12 AM and Friday from 6AM to 8PM.

GRADING:

Exam 1	25%
Exam 2	25%
Exam 3	25%
Quizzes	15%
HW	10%

The final grade will be given according to the following scale:

Letter Grade	%
A	93-100
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
D-	60-62