

**Instructor:** Vikki Maurer

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**Course:**

We will learn about trigonometric functions and their graphs, identities, inverse trigonometric functions, trigonometric equations, right triangle trigonometry, polar coordinates, vectors, and conic sections. Upon completion of the course, the student will be able to:

- Calculate the exact (when possible) and approximate value of the 6 trigonometric functions using both radian and degree measure.
- Solve for all of the side lengths and angles of a right or oblique triangle, using information given.
- Graph trigonometric functions (emphasizing sine, cosine and tangent), and conic sections, transform their graphs, and state important features of their graphs.
- Verify trigonometric identities and use them to solve trigonometric equations involving one or more trigonometric functions.
- Perform calculations involving vectors and solve vector applications.

**Required for this class:**

- 11-week paid ALEKS 360 access code. You can order this from the LBCC bookstore or order it through the ALEKS website once you have an account. This code will give you access to the eBook and the adaptive course software.
- Broadband Internet Access, Computer (Windows, Mac, iPad) with Webcam, Microphone, and Speaker. **A Chromebook will not work for this class.**
- Hand-held Scientific Calculator. We use only scientific calculators for exams.
- Access to a graphing calculator, a graphing calculator app on your phone is fine (not used on exams) or Desmos (for computer or tablet use). There is no need to buy a graphing calculator.

**Requirements and Grades:**

5%	ALEKS Whole Pie Percentage - Goal 100% of Topics Mastered
20%	ALEKS Weekly Topics and ALEKS Exam Reviews
20%	Written Work, Quizzes, Projects, and Forum Posts
36%	Midterm Exams (2 Video Proctored Midterm Exams)
19%	Final Exam (1 Video Proctored Final Exam)

**All of your course grades will be kept in the ALEKS gradebook only.**

**Course Grades:**

LBCC does not offer plus/minus grading. This class will have final course grades assigned according to the standard 90%, 80%, 70%, 60% grade cutoffs.

You must earn at least a C grade in Math 112 in order to move on to higher math classes for which Math 112 is a prerequisite.

**Participation:** The biggest reason why students fail to complete a math class is due to poor participation. If you put off working on math during the week, and you wait until the deadline, you will find it very difficult to finish the work and get caught up. Plan to spend

at least one hour every day working on trigonometry. You will most likely need two or three hours almost every day. **You are REQUIRED to watch all of the videos provided so you get the direct instruction you need.** If you are someone who finds it hard to get motivated to do work then this is not the class for you. It will take daily discipline to complete trigonometry online. There will be deadlines each week for all tasks. Meeting deadlines each week is a critical part of being successful.

### **Incomplete Grades:**

An incomplete grade may be issued for a student who is making satisfactory progress (Grade of C or better) in the course, but who has failed to complete the final exam. Any student seeking an incomplete must discuss this option with the instructor and sign an agreement prior to the time when grades are issued.

### **ALEKS Adaptive Homework Platform and Ebook:**

You will complete the majority of your assigned work through an online and adaptive program called ALEKS. You are required to purchase the ALEKS 360 access code through the bookstore or through the ALEKS website. It is through ALEKS where you will have access to an ebook and any other videos or tutorials the ebook provides. It is rich in support if you use it well. You will access ALEKS through the ALEKS website.

#### **Access ALEKS through the ALEKS website**

Go to [www.ALEKS.com](http://www.ALEKS.com) or click on the ALEKS link in Moodle and sign in or create a new user account. You need the course code and you can use the free two-week access code to get started. You will need to pay for the code before the free two-week code expires.

**ALEKS Class Code: 6RWK3-FUPPH**

**Free two-week access code: A780F-941B2-4334C-6F6D4**

### **eBook:**

Through the ALEKS site you will have access to the eBook **College Algebra with Trigonometry** 1st Edition by Miller and Gerken. Each week you are required to read the sections we cover in the eBook. The eBook also contains videos and is a valuable resource. If you really want a paper copy, you can order a paper version of the text through ALEKS but really if you have ANY trigonometry book then you can study topics from that book, so there is no need to buy this exact paper book. Your ALEKS 360 access code gives you access to the adaptive learning software using the Miller book when you need explanations. Email me if you have questions about this.

### **Instructor Videos:**

Your instructor has provided several videos each week that offer direct instruction, just like you would get if you were in class. You are required to watch each video as soon as possible each week. Students who do not watch the videos get lost quickly as our class moves forward. There are lots of details which are described and explained in the videos.

### **Homework and ALEKS:**

There are 131 topics in ALEKS to master in this class. You may find that you already have some topics mastered when you get into our ALEKS course. Each week there are topics assigned and the weekly deadlines are always Sunday at midnight. New topics

will be added each Monday. In Moodle you will have weekly videos that I made and written assignments but you should be getting into ALEKS each day to work on topics. This is your main homework. If you master all the topics for a particular week then you will be able to work ahead or you can go back and master topics you may not have learned from a previous week. This ALEKS program is adaptive and customizes to each student so you each will have a unique experience. If you have weekend plans that do not include homework then it is up to you to complete the ALEKS topics before the weekend. You have the freedom to decide when during the week to complete the assigned topics. However if you wait until Sunday to start learning the weekly topics you will very likely run out of time. The best plan is to work hard early in the week so you have time to get help and then finish up any last topics on Friday. Each week your goal is to learn 100% of the topics.

### **Missing ALEKS Deadlines:**

If you do not complete your ALEKS work by the due date then you will lose points no matter why you missed the deadline. There are ten weekly deadlines that you will see in your ALEKS gradebook. Deadlines are not generally extended for ALEKS topics. Your goal is to always finish all the topics for a week, however, if you still have a few left then you just will move on to the next week's topics each Monday. ALEKS will present you with missed topics if they are critical to the week's work but we always need you working on the current topics first. In any week where you learn all of the topics, ALEKS will then open up all weeks and you can go learn topics you missed from previous weeks.

### **Written Work in Moodle:**

As often as possible, and most likely once each week, you will be assigned problems to write up and turn in through Moodle so it can be graded. You will either scan and upload your written work or you will take a photo of your work and upload the photo to Moodle. Keep in mind that Moodle will lock at 11:59pm on the deadline day and will not accept additional submissions. When you upload your work you must click on the SUBMIT button to finalize that your homework has been turned in through Moodle.

You will want to download and print the written assignment. Then write up your answers carefully, showing your support work, on ONE page only. Your scratch work should be done separately and then your final work written up neatly. The moodle dropbox for assignments is set to accept ONE page only per student. If you don't have a printer then you can simply copy down by hand the critical parts of the assignment and write up your work neatly on one page of paper. If you don't have a scanner then take a photo of your assignment, make sure it is not blurry and is well lit, and upload it to Moodle.

There will be at least three tasks during the term where you post your work, post to a forum, or make a video project for others in the class to review. There may be a quiz in Moodle or in ALEKS during the week as well. These tasks will always be listed in Moodle so on Monday of each week it is important to check Moodle so you can plan your week.

### **Oh No! My Written Assignment is Late and Moodle Won't Take It!**

Late work is not accepted in Moodle. However, each student may have TWO Written Assignment Late Passes that can be used ONLY on the weekly written assignments. The late pass gives a 24 hour extension to get the written assignment done. Moodle will not accept it late so you will have to email the assignment to your instructor and be sure

to tell your instructor you are using one of your two late passes when you email the assignment. Your instructor will ALWAYS email you back to let you know the assignment was received. If you use a late pass then your assignment must be emailed by Monday at midnight.

### **Midterm Exams Proctored at Home:**

There are two midterm exams. You will take each exam in a proctored setting from home. When taking tests at home we will use a Lockdown Browser and Respondus Video Monitoring. The Lockdown Browser is a one-time free download. The video monitoring will video you during the entire test and flag any inappropriate testing behavior for the instructor to review. You will need to be using a windows computer, Mac, or iPad on which you can download the Lockdown Browser and which has a webcam and microphone. See the [System Requirements](#). If you don't have the correct computer system, then think about family, friends, or a neighbor who might let you borrow such a device for the three proctored exams. **Exams must be taken by the deadline. At most one midterm exam can be taken after the deadline but will earn at most 80%.**

### **Midterm Exam Review Objectives in ALEKS:**

Prior to each midterm exam you will see an Exam Review Topics objective open up in ALEKS. These are not new topics. These topics are the ones you should have already learned and the ones the test will concentrate on. They open up all together in one objective so you can focus on what you do not already know or review any topic conveniently. Under the Review option there is a filter so you can review any topic you previously learned.

### **Final Exam:**

Your final exam is cumulative and will be taken by Wednesday of finals week. It must also be taken in a proctored setting from home using the Lockdown Browser and Respondus Video Monitoring. During finals week you will see a Final Exam Review Topics objective open up in ALEKS. This contains all the topics that will be stressed on the final exam. These are not new topics. They are topics you should have already learned in previous weeks. If you learned them all then you will have nothing new to complete but all the topics will be in that objective and available for review. You can go and review the topics by using the drop-down filter under the Review setting.

### **Help:**

- Ask questions by sending your instructor an email.
- Send your instructor a photo of your work so she can see what you are doing.
- Request a Zoom meeting with your instructor and you can get your questions answered. These Zoom meetings can be five minutes or half an hour but it is the most efficient way to get help, so please seek your instructor when you need help.
- There is remote math help through the Learning Center and linked in Moodle.

**Weekly Schedule and EXAMS:** The course is presented in a weekly format in Moodle. This course has a firm weekly schedule to include videos, reading assignments, written assignments, forums, and a project. A week may contain a quiz or an exam. Check Moodle each week and look ahead to see what is coming up and when it is due.

The exam deadlines will not change. This is not a “self-paced” course. If you do not stay on schedule it is extremely difficult to get caught up.

Exam 1 will be taken by Wednesday, January 27

Exam 2 will be taken by Wednesday, February 17

Final Exam will be taken by Wednesday, March 17

**Drop for Non Attendance or Non participation:**

The ALEKS Initial Knowledge Check is Due by Tuesday, January 5 at midnight.

Students who do not complete the initial knowledge check by the deadline will be **dropped from the class**. Students who do not participate during week 1 will also be dropped from the course to allow wait-list students to add the class.

**Cheating and Academic Dishonesty:**

If you cheat on an exam, you will receive a zero grade on the exam, and I will file an incident report with the Dean of Students. A second episode of cheating will guarantee an F grade for the course and more severe disciplinary action from the school.

Cheating on an exam includes, but is not limited to, using anything not specifically allowed (any other electronic devices, phone, textbook, notes beyond what is allowed, or other people). Copying homework from another student or giving another student your work to copy is academic dishonesty as well. In these cases, you will earn no credit for the assignment or project and I will file an incident report.

**Anyone With Special Needs?** LBCC is committed to inclusiveness and equal access to higher education. If you have approved accommodations through the Center for Accessibility Resources (CFAR) and would like to use your accommodations in the class, please talk to your instructor as soon as possible to discuss your needs. If you believe you may need accommodations but are not yet registered with CFAR, please visit the CFAR Website for steps on how to apply for services or call 541-917-4789.

**Nondiscrimination Statement:** LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, gender, gender identity, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. For further information see Board Policy P1015 in our Board Policies and Administrative Rules. Title II, IX, & Section 504: Scott Rolen, CC-108, 541-917-4425; Lynne Cox, T-107B, 541-917-4806. To report: [linnbenton-advocate.symplicity.com/public-report](http://linnbenton-advocate.symplicity.com/public-report)