

MTH 112 – Trigonometry - Fall 2019

Sec B01 – CRN 22237

TuTh 6:30 – 8:50pm BC 234

Instructor: Juli Schutfort **Office:** BC 101
Email: schutfj@linnbenton.edu **Office Hours:** Tu&Th 6 – 6:30pm
other times by appt.

Course Description: As a progression of geometry we will be working with trigonometric functions, trigonometric identities, inverse trigonometric functions, trigonometric equations, right triangle trigonometry, polar coordinates, vectors, and conic sections.

Upon completion of the course, you will be able to:

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

Course Materials: Regular access to a computer and the internet
Graphing Calculator (TI-83 or TI-84 are recommended)
We will be using an open source textbook and software.

Course Grade: Grades in this class are determined as follows:

2 Tests (20% each)	40%
Final Exam	30%
In-Class Assignments	10%
MyOpenMath Homework	20%

Grades will be assigned as outlined in the scale below:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

Homework: Success in a math class goes hand-in-hand with completing the homework assignments. Homework will be completed and submitted electronically using MyOpenMath.

Enrolling in MyOpenMath

- Go to www.myopenmath.com
- Click on “Register as a New Student.”
- Enter a user name, like your student ID number.
- Choose and confirm a password, one you will not forget.
- Enter your first and last names, and your e-mail address.
- Enter the Course ID: **57068**
- Enter the Enrollment Key: **math112**

In-Class Assignments: There will be in-class assignments (ICAs) consisting of problems that will allow you to practice what we’re learning in class and the topics in the assigned reading. The ICAs are due at the end of class and no late activities will be accepted. The lowest two scores will be dropped. I strongly encourage you to work in groups, although each student must turn in their own copy.

Tests: All tests (final exam included) will be given in the classroom. All tests will have a time limit of 110 minutes and a 3”x 5” notecard will be permitted. Tests must be taken on the scheduled day and if you miss a test you will get a score of zero. The tentative test dates are listed on the calendar.

LBCC’s Nondiscrimination Policy: LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws.

Expectations: I expect that my students will be involved in class. This includes being present, asking questions and participating in discussions. You should come to class prepared (this means you should bring your paper, pencils, calculator, etc. as well as have your homework with you). I expect you to be respectful of everyone in the class, in word as well as behavior. Along these lines, I ask that you turn off and put away your cell phone during class so as to avoid causing a distraction.

Academic Honesty: I assume that you are ethical and honest. However, if there is an incident of academic dishonesty, you will receive a score of zero for that test/assignment and the incident will be reported to the college administration for possible further disciplinary action. If there is a second offense, you will receive a grade of F for the course and the incident will be reported to the college administration with a recommendation for disciplinary action.

Additional Help:

Use available resources. If you have questions, come see me or send a message in myopenmath. Aside from that, you can go to the Learning Center/Learning Annex for math help.

In Corvallis: Math help is in BC-232. M – Th 12pm – 7pm.

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.