



Math 75 Variables and Linear Equations

Winter 2021

Instructor Information

Name: Claire Burke

Email: burkec@linnbenton.edu

Virtual Office: Link to Claire's Virtual Office is in Moodle

Q&A Drop in Hours: Mondays 1pm-2pm, Tuesdays 11am-12pm, Thursdays 10am-12pm, or email for an appointment.

When contacting your instructor you can expect a response within one business day.

MTH 075 Variables and Linear Equations Course Description

An introductory algebra course covering variables, writing and solving linear equations, graphing linear equations, and applications of linear models including proportions and systems of equations. Group work, problem-solving, and communication are emphasized in this course. Students will develop skills in conversion of measurement units and scientific notation. Credits: 4 Prerequisite: MTH 050 or Placement into the course.

What will you learn in this course?

1. Solve linear equations
2. Graph linear equations
3. Model real world applications with linear equations
4. Communicate the meaning of a linear equation
5. Solve systems of equations

What materials do you need?

- Tablet or Laptop that meets the minimum [specifications for ALEKS software](#)
- ALEKS access code for 11 weeks or for 52 weeks if moving on to MTH 95. (If a 52-week code was previously purchased, that may be continued.)
- Webcam with Microphone and Camera
- (Optional) Math 75 Internet Course Packet from the LBCC Campus Bookstore.

How will your grade be calculated?

Your grades will be based on the following categories.

Grades will be calculated using a weighted average based on the percentages:

20% ALEKS Weekly Homework

5% ALEKS Topics Completion (“whole pie”)

30% ALEKS Skills Tests (Test 1- 5%, Test 2- 10%, Test 3-15%)

25% Moodle Activities and Concept Chats

20% Projects

Your letter grade will be assigned based on the grading scale:

A: 90-100%

B: 80-89%

C: 70-79%

D: 60-69%

F: 0-59%

Grades will be rounded UP to the nearest whole percentage. (example: 89.01% would be rounded to 90%) Students can view their grades on Moodle.

A grade of Incomplete may be assigned at the discretion of the instructor under special circumstances. The student must have completed the majority of the course, been in regular attendance and passing the course prior to the special circumstance.

What exactly is in each category? How will the class work?

This course is a completely online asynchronous course with no required meeting times. However, you should consider making time for working with others in the class and meeting with your instructor.

Moodle Activities and Concept Chats

We will be using Moodle for this course. Each week you will have several assignments in Moodle to complete in addition to your ALEKS homework. You will be actively participating in learning activities and group discussion each week. Generally, these activities must be done by the due date. The activities and discussions are designed to help you develop and understand the concepts behind the math skills, and how to apply them to various situations.

The experiences gained from working on activities and class discussions will be a major component in determining your success in this course. Participation is therefore required. You will need to **log into Moodle several times each week** to participate in the course activities and discussions.

Activities and discussions are designed to help you gain a conceptual understanding of the material you are learning. You can read more about the philosophy the LBCC math department has adopted for their courses in [Why are there activities in Math 75?](#)

ALEKS Homework

Understanding algebra concepts is half of learning algebra, the other half is to develop skills through practice. ALEKS is an adaptive online homework system designed to help you build algebra skills. ALEKS will be accessed through Moodle. You will need to purchase an access code to access the ALEKS part of the course.

Each week, you will have specific topics you must learn the skills and demonstrate mastery by the deadline date and time. Your score at the time of the deadline will be recorded as a homework grade for that week. Students who finish their ALEKS work before the deadline can work on other topics in the course.

ALEKS Homework Guidelines

You should keep a notebook of loose leaf paper for your ALEKS homework. You are expected to work through each problem and write up neat, readable solutions for your notebook. Include the original problem unless it is a lengthy word problem. This will give you a study reference before testing.

Tests

There will be 3 ALEKS skills tests. The tests will require the use of the lockdown browser video monitoring in ALEKS. These tests are not timed, but will need to be completed by the due date. There are no retests allowed for this course. There is not a final exam for this course.

Projects

There will be two projects in this course - one midterm project and one final project. Each project is designed as an opportunity to demonstrate your understanding of the concepts covered in the course activities. Project instructions and due dates will be available in Moodle.

Class Resources

This class has resources to support your success!

Q&A Drop In Hours (Office Hours)

If you have questions, please ask me! I have scheduled office hours but you're welcome to drop in at other times too. You can also reach me through Discord or by email.

Study Group

Your classmates are an important resource for understanding and completing the work for the course. Often a fellow student can explain things in a different way than your instructor. Studies have shown there is a correlation between success in learning math and students who engage in study groups. It is strongly recommended that you study together with other students in small groups.

Learning Center

The Math Desk will be operating this term to support students working remotely via Zoom, with drop-in help available during their standard hours:

The link to connect to the remote Math Desk is <https://linnbenton.zoom.us/j/579890953>

The URL for the Learning Center Remote Resources site is:

<https://www.linnbenton.edu/current-students/study/learning-center/>.

Computers

You will also need a computer/tablet/device with internet access. If you do not have access to a computer with internet, LBCC has posted lots of information and resources here: [COVID 19 frequently asked questions and resources](#)

Class Policies and Expectations

Attendance Policy

Your regular attendance and thoughtful participation in class are essential for your success in learning math. Your regular online attendance is mandatory. If there is a week you will be unable to log in and participate in the class, please let your instructor know ahead of time by email. Students are responsible for any material, updates, or other information available in Moodle.

You must complete the ALEKS initial knowledge check by Friday of the first week or you will be dropped from the course.

Late Work

Completing work on time is an important part of your success in building your algebra knowledge. By completing a little bit of math work each day you will learn and retain more. If a situation happens that puts you behind in the coursework contact your instructor as soon as possible. Your instructor will work with you to help you make a plan. Any late work may or may not be accepted at the discretion of the instructor depending on the circumstances.

Expectations

- I expect that students will be involved in the class. This includes logging in regularly, asking questions, along with participating in concept chats and group activities.
- I expect you will be respectful of everyone in the class. Concept Chat posts should be respectful and supportive of the success of everyone in the class.

LBCC Email

You are responsible for all communications sent via Moodle and to your LBCC email account. You are required to use your LBCC provided email account for all email communications at the College. You may access your LBCC student email account through Student Email.

Academic Honesty

I assume that you are ethical and honest. Using sites like chegg.com (or similar) for solutions to your work is cheating, even on assignments where collaboration and getting help is encouraged. The goal of assigned work is for you to personally build a neural network of understanding, which copying and “seeing” the answer will not provide, since building neural networks require thinking hard and making mistakes.

If there is an incident of academic dishonesty (including but not limited to cheating, plagiarism, forgery, or aiding or abetting cheating or plagiarism), 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.

Special Circumstances or Accommodations

You should meet with your instructor during the first week of class if:

- You have a documented disability and need accommodations.
- Your instructor needs to know medical information about you.
- You need special arrangements in the event of an emergency.

If you have documented your disability, remember that you must make your request for accommodations through the Center for Accessibility Resources (CFAR) [Online Services webpage](#) every term in order to receive accommodations. 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.

Basic Needs

Any student who has difficulty affording groceries or accessing sufficient food to eat every day, or who lacks a safe and stable place to live, and believes this may affect their performance in the course, is urged to contact the Roadrunner Resource Center for support at 541-917- 4877, or schedule an appointment on the web at www.linnbenton.edu/rrc . Our office can help students get connected to resources to help. It might be helpful to notify the instructor, if you are comfortable in doing so. This will enable them to provide any resources that they may possess.

LBCC Comprehensive Statement of Nondiscrimination

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.

Statement of Inclusion

The LBCC community is enriched by diversity. Each individual has worth and makes contributions to create that diversity at the college. Everyone has the right to think, learn, and work together in an environment of respect, tolerance, and goodwill. (related to Board Policy #1015)

Winter 2021 Math 75 Online Tentative Calendar

Week 1

Introduction to the course
Syllabus Quiz
ALEKS Initial Knowledge Check
Concept Chat 1
ALEKS Week 1 Pie
Activity 0
Activity 1

Week 2

Activity 2
Activity 3
Activity 4
Concept Chat 2
ALEKS Week 2 Pie

Week 3 – Test 1 Due Saturday

Test 1
Concept Chat 3
Activity 5
Activity 6
ALEKS Week 3 Pie

Week 4

Concept Chat 4
Activity 7
Activity 8
ALEKS Week 4 Pie

Week 5

Concept Chat 5
Activity 10
Activity 11
ALEKS Week 5 Pie

Week 6 - Mid-Term Project Due

Concept Chat 6
Activity 12
Activity 13
ALEKS Week 6 Pie

Week 7 - Test 2 Due Tuesday

Activity 15
Activity 16
Concept Chat 7
ALEKS Week 7 Pie

Week 8

Activity 17
Activity 18
Concept Chat 8
ALEKS Week 8 Pie

Week 9

Activity 19
Activity 20
Concept Chat 9
ALEKS Week 9 Pie

Week 10

Final Project

Finals Week - Test 3 Due Tuesday

Final Project Due Wednesday
ALEKS Whole Pie Due Wednesday