



MTH 75 Variables and Linear Equations-Synchronous

Instructor:

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Office Hours: after class and by appointment

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.

MTH 075 Student Learning Outcomes:

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

Required Materials:

- Tablet or Laptop (available for purchase or rent in bookstore if you don't have one.) Minimum [specifications for use with ALEKS software](https://www.aleks.com/support/system_requirements):
https://www.aleks.com/support/system_requirements
- ALEKS access code
- Course Materials Packet
- A working video camera and microphone

Grading Policy

Your grades will be based on the following categories.

Tests:

- The ALEKS Skills Tests and Concept Exams will be taken in the Testing Center in WH-226. Once the instructor has signed your testing ticket, you will have a few days to go in and take the test on your own time. These tests are not timed. Refer to the test ticket for further information.
- There are no retests allowed for this course.
- There is not a final exam for this course.

Homework:

ALEKS is an adaptive online homework website (www.aleks.com). You will need to purchase an access code after getting logged in. Your skills work will be completed on this site. Each week's skills will be available for a given length of time and you must learn those 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 pie. At the end of the quarter your lowest score from this category may be dropped.

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 then 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.

Online In-Class Work:

Students will be actively participating in learning activities and group work every class meeting. Generally, these activities must be done in class and cannot be made up. These are the lessons for this course. The activities are designed to help students develop and understand the concepts behind the math skills and how to apply them to various situations. The experiences gained from working in the groups will be a major component in determining the student's success in this course.

Attendance is therefore required unless you are sick. At the end of the quarter your two lowest scores from this category may be dropped.

Grades will be calculated based on the following percentages.

Category	Percent of Grade
ALEKS Weekly Objectives/Homework	20%
ALEKS Topics Completion	5%
ALEKS Skills Tests (2)	20%
In-Class Work	20%
Concept Exams (2)	30%
Final Project	5%

1

Grading Scale
A: 90 -100%
B: 80 – 89%
C: 70 - 79%
D: 60 - 69%
NP: 0 - 59%

1
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".

Attendance Policy

Attendance is expected. If you are not in class you cannot take quizzes or turn in assignments. No late assignments will be accepted and no quizzes will be made up. If you know you will not be in class on a certain day let me know in **advance, not after you are absent**. Make every effort to attend each class.

If you are sick and stay home, be sure to email me asap so that we can find a way for you to continue learning while staying home.

Notes online

Class notes will be available from the link to OneNote on Google Classroom.

Help

If you have questions, PLEASE **come see me** and ask! I have scheduled office hours but you're welcome to come in at other times too. **Study groups** are encouraged! Many students find that working with classmates is the best way to learn and understand the material. Don't forget about the **e-book and videos** available on ALEKS.

Use the Learning Center

[Math Zoom Room](#): This is **the** place to get extra help.

The Learning Center, WH226, is an excellent place to study and to get help with your homework. (Please remember to log on and log off the computer with each visit to the Learning Center.) The other LBCC campuses have similar facilities with Math Help available.

- There is free wireless available in the Learning Center (and lots of places to plug in so your battery won't be depleted.)
- The relaxed atmosphere and table arrangement in the Learning Center provide a great location for study groups to meet and work.
- Instructional assistants are available at the help desk and the Math Angle to answer your math and ALEKS questions
- The Learning Center offers some free individual and small group tutoring in addition to the help desk.

Computers

Computer labs are open to students in the Library and in the Learning Center. Laptops are usually available for short-term check out from the Library.

Expectations:

- I expect that my students will be involved in class. This includes being present, asking questions and participating in discussions and group work. (The instructor notes excellent attendance/attitude and will sometimes "bump up" a borderline grade for such students.)
- You need to have your camera on and microphone unmuted when doing group work.
- I expect you will be respectful of everyone in the class, in word as well as behavior. Along these lines, I ask that you turn off and/or put away your cell phone, mp3 player, laptop, etc. during class unless it is being used for an activity so as to avoid causing a distraction.

LBCC Email:

You are responsible for all communications sent via ALEKS 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. However, if there is an incident of academic dishonesty (cheating), 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:

Disabilities Services and Emergency Planning - Meet with Instructor Week One. If you have emergency medical information for your instructor, need special arrangements to evacuate campus, or have a documented disability, please meet with your instructor, by appointment, no later than the first week of the term, to discuss your needs. If you have a documented disability that will impact you at college and you seek accommodations, contact the Office of Disability Services (ODS) for intake and to document your disability with LBCC. Then, each term, at least two to three weeks prior to the start of classes, submit your "Request for Accommodations" form to ODS and pickup instructor letters. ODS may be reached from any LBCC campus/center by email to ODS@linnbenton.edu or by calling 917-4789. Letter pickup is available at each LBCC campus/center

To be successful:

- Know my **office hours** and drop in to ask questions or clarify ideas, I can help!
- Work in **groups** outside of class (Discord, Facetime, Hangouts)
- When you or your group are struggling with a problem ask Mike at the "**Math Help Desk**" in the LC
- Get a **free tutor** from the tutorial services area in the **LC**

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.

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 (resources@linnbenton.edu), or visit us on the web www.linnbenton.edu/RRC under Student Support for Current Students). Our office can help students get connected to resources to help. Furthermore, please notify the professor if you are comfortable in doing so. This will enable them to provide any resources that they may possess.

The instructor reserves the right to make changes to the syllabus/calendar at any time.