

MTH 111-College Algebra Spring 2022

Instructor Information

Instructor: Sarah Whelchel

Email: whelchs@linnbenton.edu

Office Hours: I work in the Math Cafe every Monday thru Friday from 9am-11am.

Feel free to follow me there after class.

Course Information

CRN: 40835

This is a 5 credit class. This means we spend 5 hours in class per week, and you should expect to spend $5 \times 2 =$ **10 hours per week working outside of class time.**

Prerequisite: MTH 95 or equivalent

Classroom: WOH 113, MTWRF 8:00-8:50am

Topics covered will include relations and functions; including linear, quadratic, polynomial, rational, exponential and logarithmic functions. Functions and solving of equations will be emphasized. Use of matrices to solve systems will be introduced.

Course Outcomes:

1. Interpret graphical information, such as identifying types of functions, translations, inverses, intercepts, and asymptotes.
2. Solve a variety of symbolic equations and inequalities, such as rational, absolute value, exponential, radical, logarithmic, and linear systems.
3. Construct appropriate models for real world problems, such as fitting an algebraic function model to a set of data, and system of linear equations.

Materials:

Regular access to a computer and the Internet

Graphing Calculator, TI83 or TI84 preferred (need for tests!)

Notebook: 3-ring binder, filler paper, writing materials, etc.

We will be using MyOpenMath throughout the course

How your Progress will be Measured

Tests: There will be three tests and a comprehensive final in this course. The three tests during the term will have a take-home portion, and an in class portion which is open note. Take-home tests will be due the day of the in class portion of the test. No extensions without official excusal. If you must miss the in class portion of a test you are required to contact me prior to the testing time. If you fail to take an in class portion of a test and do not contact me prior, you will receive a score of 0.

Work Outside of Class: Success in a math class goes hand-in-hand with working through the material on your own (and sometimes struggling through it!). When watching the videos and working through the homework, feel free to ask for help. The Math Help Desk personnel (sometimes me!) are here to help you. Form a study group with other members of the class. Talking with others about math is where learning begins!

Weekly Video Notes will be checked on Fridays, and homework is due Fridays at 11pm

Enrolling in the Class Software: MyOpenMath

- 1) Go to www.MyOpenMath.com
- 2) Create an account (I suggest using your student id as the username)
- 3) Enter the Course ID : **140583**
- 4) Enter the Enrollment Key : i<3math
- 5) Continue to the class page

In Class: Class time will be centered around group discussions, and working through difficult problems together. Some classes I will create handouts to work through in groups. You must keep all of these handouts organized in a notebook, as I will grade them on exam days. If you have a valid excuse for missing class you may email me prior to your absence to get the handouts for that day. You may not make up the work you missed without having your absence excused (attendance matters!!!).

Grading: Grades will be based on

3 tests (10% each) 30%

Final 15%

In Class Handouts 20%

MyOpenMath Homework 20%

Video Notes 15%

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

Acts of academic dishonesty are regarded by the college as very serious offenses. Penalties will be the maximum permitted by the college.

LBCC maintains a policy of nondiscrimination and equal opportunity in employment and admissions, without regard to race, color, sex, marital and/or parental status, religion, national origin, age, mental or physical disability, Vietnam era, or veteran status.

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.

Students who may need accommodations due to documented disabilities, or who have medical information which the instructor should know, or who need special arrangements in an emergency, should speak with the instructor during the first week of class. If you think you may need accommodation services, please contact the Center for Accessibility Resources, 917-4789.