



**MTH 111      College Algebra      Winter 2019**

Instructor:	Mike Hruschka	CRN: 30366	
Office:	WOH-103	Class time:	MTWRF 8-8:50AM
Office Hours:	MT 9-10AM		WOH-126
	Other times by appointment		
Math Angle	M-F 1-2PM		
Hours:	R 9-10AM		
Email:	hruschm@linnbenton.edu		

**Course description:** Math 111 covers relations and functions; including linear, quadratic, polynomial, rational, exponential and logarithmic functions. Functions and solving of equations will be emphasized. The use of matrices to solve systems will be introduced.

**Prerequisite:** MTH 95 or equivalent.

**Student Learning Outcomes:** Upon completion of the course, the student will be able to:

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 systems of linear equations.

**Required Course Materials:**

- We will be using a [free online textbook](#) and online homework through MyOpenMath.com. MyOpenMath also contains links to video lectures.
- Regular, reliable internet access for completing online homework assignments.
- Graphing calculator or graphing software for in-class work and homework: A TI80 series calculator, Desmos, or Microsoft Mathematics will work, and there are many other possibilities.
- Graphing or scientific calculator for tests (no smart phones or laptops will be allowed on the tests).

**Enrolling in MyOpenMath:**

- 0 If you have used MyOpenMath before, log in and skip to step 6
- 1 Go to [www.myopenmath.com](http://www.myopenmath.com)
- 2 Click on "Register as a New Student"
- 3 Enter a user name, I recommend using your student ID number
- 4 Choose and confirm a password, one you will not forget
- 5 Enter your first and last names, and your e-mail address
- 6 Enter the Course ID: 43157
- 7 Enter the Enrollment Key: W2019MTWRF

**Grading Policy:** Your grades may be viewed on [MyOpenMath.com](http://MyOpenMath.com) and will be approximately based on the following:

3 Tests and Final Exam (22% each, lowest score dropped)	66%
Homework (MyOpenMath)	22%
Other Work	12%

Grading Scale: A: 90 -100%

B: 80 – 89%

C: 70 - 79%

D: 60 - 69%

F: 0 - 59%

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

**Tests:** All tests (including the final) will be given in our classroom. Tests must be taken on the scheduled day. If you miss a test you will get a score of zero. However, your lowest test score will be dropped. The *tentative* test dates are listed on the course calendar. The date and time of the final will not change: Monday, March 18, 8-9:50 AM in WOH-126.

**Homework:** Your homework assignments will be completed on MyOpenMath. Each assignment will be available for a given length of time and you must complete the assignment and enter your answers online by the deadline date and time. Each student has 4 “**late passes**” that can use to extend a homework deadline. These must be applied **before** the assignment is due. At the end of the quarter your two lowest homework scores will be dropped.

**Other Work:** This will consist of at least 3 in-class activities that you will turn in. You must be in class on the days of these activities to receive credit.

#### **Resources:**

**Class time:** Much of class time will be devoted to answering questions; if you have a question or are unsure of something, please ask me or a fellow student.

**MyOpenMath:** Most of the class material is on MyOpenMath, including links to the **textbook** and **video lectures**, **class notes**, **homework problems**, and links to **calculator apps** and **calculator instructions**. MyOpenMath also has a **discussion forum**, where you can post questions or help other students.

**Office hours:** If you have questions, please come see me and ask. If my scheduled office hours don't work, set up an appointment with me for another time.

**Learning Center:** 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, for example BC 232 in Corvallis.

- The **Math Angle** is an area set aside for students in MTH 105, 111, and 112.
- **Instructional assistants** are available at the **Math Angle** and the **help desk** to answer your math questions.
- The Learning Center offers some free **individual and small group tutoring** in addition to the help desk.
- 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.

**Study groups:** Many students find that working with classmates is the best way to learn and understand the material. There is also a forum available on MyOpenMath where you can post questions to the whole class and answer each other's questions.

**Tips for success:**

- Read the relevant sections of the book or watch the videos before coming to class. Try the homework problems before coming to class. Come to class and ask questions. Review your (or my) class notes after class, the same day if possible.
- Expect to spend at least 10 hours per week on this class in addition to class time, more if you are having difficulty.
- Find the resources that work best for you.

**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:** Students who have any emergency medical information the instructor should know of, who need special arrangements in the event of evacuation, or students with documented disabilities who may need accommodations, should **make an appointment with the instructor as early as possible, no later than the first week of the term.** If additional assistance is required, the student should contact the Center for Accessibility Resources at 541-917-4789.

**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)

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

MTH 111 – College Algebra  
Winter 2019 (*Tentative Schedule*)

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
<b>week1</b> 1/7-1/11	Intro, review	review	review, 3.1	3.1	3.2
<b>week2</b> 1/14-1/18	3.2	3.3	3.4	3.5	3.6
<b>week3</b> 1/21-1/25	Holiday	3.7	finish Ch3, activity 1	4.1	4.2
<b>week4</b> 1/28-2/1	4.3	5.1	5.2	review	Test 1
<b>week5</b> 2/4-2/8	5.3	5.3	5.4	5.5	5.6
<b>week6</b> 2/11-2/15	5.6	5.7	finish Ch5, activity 2	review	Test 2
<b>week7</b> 2/18-2/22	Holiday	6.1	6.2	6.2	6.3
<b>week8</b> 2/25-3/1	6.4	6.5	6.6	6.7	6.8
<b>week9</b> 3/4-3/8	finish Ch6, activity 3	11.1	11.2	review	Test 3
<b>week10</b> 3/11-3/15	11.2	11.5	11.5	11.6	review
<b>week11</b> 3/18	Final Exam 8-9:50 AM				