MTH 111, College Algebra

Spring Term 2019

Instructor Information

Instructor Name: Marlon J. Flores

Office: WOH - 129   **E- mail:** marlon.flores@linnbenton.edu

Office Hours: Tuesday 5:00 pm – 5:50 pm.

Course Information

Prerequisites: MTH 95 or equivalent.

Day and Hours of Class: Tuesday, Thursday 6:00 pm – 8:20 pm, WHO-113

CRN: 42235

Section: 05

Course description: Topics covered will include relations and functions; including polynomial functions of first order and higher, rational, exponential and logarithmic functions. Solving equations and applied problems will be emphasized. The Gaussian Elimination method will be introduced.

Upon completion of Mth 111 – College Algebra students will be able to:

Outcome 1: **Interpret graphical information, such as identifying types of functions, translations, inverses, intercepts and asymptotes**

- Apply the concept of transformations to graphs
- Find the equation of a polynomial given the graph of a polynomial with integer x-intercepts and a set point.
- Identify a variety of functions
- Graph a function with asymptotes

Outcome 2: **Solve a variety of symbolic equations and inequalities, such as rational, absolute value, exponential, radical, logarithmic and linear systems**

- Solve an absolute value, rational or polynomial inequality
- Solve an absolute value, rational or radical equation
- Solve an exponential or logarithmic equation
- Solve a system of equations using matrix notation and Gaussian elimination

Outcome 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**

- Set up a system of linear equations to model a real world situation
- Fit a linear model to data
- Fit an exponential model to data
- Apply an exponential growth or decay model to a real world situation

Materials: Open Source Textbook and platform, graphic calculator, TI 83 or TI 84 Preferred.

Lecture Notes: To be uploaded in to MyOpenMath after class.

Enrolling in the Class Platform: MyOpenMath

1. Go to www.myopenmath.com

2. Click on "Register as a New Student" or use existing account.

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 name, and your e-mail address (the one you check daily)

6. Enter the Course ID: 27733

7. Enter the Enrollment Key: 42235

Suggestions to succeed in MTH 111

- ➢ Come to class, have your class materials ready, be mentally present and engaged.
- ➢ If you must take a call or a text, please quietly step outside; take care of the business and then return to class.
- ➢ Speak up when you have a question or opinion.
- ➢ Be respectful to your classmates.
- ➢ Do your homework and study beforehand the next section to be considered in your book.
- ➢ Study daily and be a part of the group.

Grading Policy: Grades will be based on

2 Tests and a Final…………………….…………..60

Homework……………………………………………25

In class group work…………………………………15

Total…………………………………………………….100

Final Grade Chart:

A………………………………….90-100

B………………………………….80-89

C………………………………….70-79

D………………………………….60-69

F………………………………….0-59

Obs: The grades of Y and WP are not given in this class.

Tests: There will be two tests and a comprehensive final in this course. Testing will be done in class. There are no retests. If you for a valid reason must miss a test, you are required to contact your instructor "PRIOR" to the testing time. If you fail to take a test, you will receive a score of 0. However, you may replace **one** missed test with the FINAL Test score.

Homework: The homework points (25) will be based on the grade of homework to be taken in MyOpenMath, under the given constraints of time and dates, as well as attempts to solve the exercises considered appropriate by your professor, **you must pay close attention to due date and hour, there will be no exceptions.**

In class group work: These 15 points are intended to reinforce the concepts introduced in class and share your insight on the problems with your group members. **"You cannot make these up if you miss class".**

Other

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.

(for further information http://po.linnbenton.edu/BPsandARs/)

Disability Services Statement:

 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 Office of Disability Services (ODS) 917-4789.

Inclusion Statement

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)

Academic Dishonesty

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

Center of accessibility resources statement

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 this class, please talk to your instructor as soon as possible to discuss your needs. If you believe you may need accommodation but are not yet registered with CFAR, please visit the CFAR website at www.linnbenton.edu/cfar for steps on how to apply for services or call 541-917-4789.

Spring 2019, MTH 111

Tentative Schedule

(The schedule is subject to change, but every effort will be made to keep the test dates as listed)

	Mon	Tues	Wed	Thurs	Friday
1		Intro and Sec 1.1		Sec 1.2	
2		Sec 1.5		Sec 1.5, 1.6	
3		Sec 2.3		Sec 2.4 **Review for test 1**	
4		**Test 1**, sec 2.5		Sec 3.1 and 3.2 **Test Feedback**	
5		Sec 3.3, **Group #1**		Sec 3.4	
6		Sec 4.1, 4.2		Sec 4.3, 4.4	
7		Sec 4.5, 4.6, **Review for Test 2**		**Test 2,** Sec 4.7	
8		**Test Feedback,** Section 8.1		Sec 8.1, **Group #2**	
9		**Memorial Day College Closed**		Sec 8.2	
10		Sec 8.3, **Group #3**		**Review for Final**	
11		**FINAL 6:00pm – 8:20 pm Classroom WOH-113**			