

College Algebra - MTH 111 - Spring 2020 Syllabus

# General Information

## Instructor Information and Availability

Instructor name: Michael Lopez

E-mail address: lopezm@linnbenton.edu

Zoom Office Hours: Mon, Tue, Wed, and Thur: 10 to 11 AM and 4 to 5 PM (or by appt.)

## Course Information

Course name: MTH 111 College Algebra (online)

Number of credits: 5 credits

Combined Course for CRNs: 40102, 40121, and 40835

### Prerequisites:

MTH 095 Intermediate Algebra or equivalent with a grade of "C" or better.

## Course Materials

Required:

* Regular Access to a computer and the internet
* Register for MyOpenMath a free online math platform (directions below)
* Scientific Calculator

Registering/Enrolling in MyOpenMath

* Go to [www.myopenmath.com](http://www.myopenmath.com)
* Click on “Register as a New Student”
* Enter a user name, use your student ID number
* Choose and confirm a password, one you will not forget
* Enter your first and last names, and your LBCC or OSU e-mail address
* Enter the Course ID: **70081**
* Enter the Enrollment Key: **MLSpring2020**

## Course Description

## Topics covered will include 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.

## Student Learning Outcomes

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

## Grading

Assessment Percentage Breakdown: (Grade totals can be found in MyOpenMath)

25% Online Homework MOM

20% Write-Ups (uploaded written homework)

40% Three Exams (Exams 1 and 2 are 12% each, Exam 3 is 16%)

10% Quizzes

05% Forums

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| Letter Grade | Percentage | Performance |
| A | 90-100% | Excellent Work |
| B | 80-89% | Good Work |
| C | 70-79% | Average Work |
| D | 60-69% | Poor Work |
| F | 0-59% | Failing Work |

“Y” or “WP” will NOT be given in this class. 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 participation and passing the course prior to the “special circumstance.”

### Late Assignment Policy

MyOpenMath (MOM), the online homework, you have four late passes to use at your discretion. A late pass extends one of the assignments up to 48 hours from the due date, but you must use it before the assignment is actually due.

No extensions/late passes on Quizzes or Discussions/Forums

All Write-Ups will be accepted up to 48 hours past the due date with a 20% penalty.

Exams must be taken on the scheduled date, unless prior approval has been granted by the instructor or has authorized accommodations.

## Assessment Details

### Online Homework

For online homework we will be using MyOpenMath (MOM). Online Homework will be covering sections from Chapters: 3, 4, 5, 6, and 11, from the online text: OpenStax Algebra and Trigonometry, Algebra and Trigonometry. OpenStax CNX. May 18, 2016.

Specific sections will be due at the end of each week (Sundays at 11:59 PM with the exception of Week 10, which will be due on Friday, June 12th at 11:59 PM).

Success in a math class goes hand-in-hand with completing the homework assignments. I find that students who succeed in this course are the students who are staying on top of their homework and asking questions. So please do start on these as soon as possible.

### Write-Ups

You will have 9 Write-Ups to complete. These Write-Ups are due each Wednesday of each week, first one is due in Week 2 and the last one in Week 10. About half of the solutions come from watching/listening to the lecture videos or class notes found on MyOpenMath (MOM) and the other half are problem solving type questions.

The write up will include: the problem statement, all steps--including the algebra necessary to solve it, appropriate explanation of the process and the answer clearly identified. It should be written so that anyone in a MTH 111 class would be able to easily follow and understand your solution. Write-Ups will be graded on correctness, presentation, readability, and the communication of your solution. Up to one half of the grade is based on the communication and explanation of the solution*.* In other words, an incorrect but well-explained solution can still earn up to half of the points. Similarly, a correct solution without explanation can lose up to half of the points. I will drop your lowest write-up score from the gradebook.

Be prepared to upload your completed work as a PDF (only as a PDF will it be accepted). Please be sure items are numbered, questions are fully written out, and pages are in order. One single combined document for each assignment. Each assignment will be uploaded into Moodle and only in Moodle, unless prior approval by the instructor or with authorized accommodations.

### Exams

You will have three timed exams in this course. Exams are on Fridays of Weeks: 4, 7, 10, respectively. There is a time limit to each exam and it will be open from 12:01 AM until 11:59 PM that day. Exam 2 will have mostly new material with a few questions from Exam 1. Exam 3 will also have mostly new material, with a few questions from Exam 1 and Exam 2. Scientific Calculators only, may be used. More details as we get closer to the dates.

### Quizzes

Timed Quizzes will be on Wednesdays, open from 12:01 AM until 11:59 PM that day. These will be no more than 5 questions related to the previous weeks Online Homework. For example, your first quiz is on Wednesday of Week 2 and it will cover problems from 3.1,2,3 in MyOpenMath. I will drop your lowest 2 quiz grades from the gradebook. Quizzes will be in MyOpenMath (tentatively).

### Discussions/Forums

Research has shown that collaboration in math classes is a major factor in success in a math class (and in future math classes).

Every Monday (starting Week 2, ending Week 10) you will post one thing you struggle(d) with and one thing that went better for you, from the previous week. Forums will open on Monday from 12:01 AM until 11:59 PM that day. You will post these to the Forums found in MyOpenMath. You will also respond to at least one other student’s posting. You will be graded on the depth and substance of your posting and your response to someone else’s posting.

# Campus Resources

## The Math Desk Remote

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

* 8am - 9pm Mon - Thu; 8am - 5pm Fri; 11am - 4pm Sat
* The link to connect to the remote Math Desk is <https://linnbenton.zoom.us/j/579890953>

## Learning Center Remote

The URL for the Learning Center Remote Resources site is <https://www.linnbenton.edu/current-students/study/learning-center/hours-and-locations/index.php>. This will have all relevant Zoom meeting links, hours, and updated information.

## Study Groups

Form a study group. Your classmates are important resources for understanding and completing the homework. You gain a deeper understanding of mathematical concepts when you express them in your own words and explain them to someone else. It is strongly recommended that you study together with other students in small groups. The most successful calculus students form study groups early.

# Tips for Success in This Class

The two best tips your instructor can give you to be successful in this course is first to keep up with the assignments and secondly, allow yourself to make mistakes. The next tip, is talk/zoom meet with your instructor has much as possible, ask as many questions as you like.

# College Policies

## LBCC Email and Course Communications

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 and your Moodle account through Moodle.

### Guidelines for communication

Email is the best way to get ahold of your instructor, lopezm@linnbenton.edu, for any concerns, administration, or any non-math problem related questions. If you email your instructor, remember to use your LBCC provided email.

You may use the “Message Your Instructor” for any problems in MyOpenMath.

Your instructor is willing and recommends to communicate through Zoom when possible.

## Conduct

You are held accountable to the [Student Code of Conduct](https://www.linnbenton.edu/current-students/administration-information/policies/students-rights-responsibilities-and-conduct), which outlines expectations pertaining to academic honesty (including cheating and plagiarism), classroom conduct, and general conduct.

## Disability and Access 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 contact your instructor as soon as possible to discuss your needs. If you think you may be eligible for accommodations but are not yet registered with CFAR, please visit the [**CFAR Website**](https://www.linnbenton.edu/cfar) for steps on how to apply for services. Online course accommodations may be different than those for on-campus courses, so it is important that you make contact with CFAR as soon as possible.

## Statement of Inclusion

To promote academic excellence and learning environments that encourage multiple perspectives and the free exchange of ideas, all courses at LBCC will provide students the opportunity to interact with values, opinions, and/or beliefs different than their own in safe, positive and nurturing learning environments. LBCC is committed to producing culturally literate individuals capable of interacting, collaborating and problem-solving in an ever-changing community and diverse workforce.

## Title IX Reporting Policy

If you or another student are the victim of any form of sexual misconduct (including dating/domestic violence, stalking, sexual harassment), or any form of gender discrimination, LBCC can assist you. You can [report](https://linnbenton-advocate.symplicity.com/public_report/index.php/pid073717) a violation of our sexual misconduct policy directly to our Title IX Coordinator. You may also report the issue to a faculty member, who is required to notify the Coordinator, or you may make an appointment to speak confidentially to our Advising and Career Center by calling 541-917-4780.

## Public Safety/Campus Security/[Emergency Resources](http://www.linnbenton.edu/public-safety-emergency-planning):

In an emergency, call 911. Also, call LBCC Campus Security/Public Safety at 541-926-6855 and 541-917-4440.

From any LBCC phone, you may alternatively dial extension 411 or 4440. LBCC has a [public safety app](http://lbccpublicsafety.mobapp.at/landing/Desktop) available for free. We encourage people to download it to their cell phones. Public Safety also is the home for LBCC's Lost & Found. They provide escorts for safety when needed. Visit them to learn more.

# Changes to the Syllabus

I reserve the right to change the contents of this syllabus due to unforeseen circumstances. You will be given notice of relevant changes in class, through a Moodle Announcement, through LBCC e-mail, and/or by MyOpenMath Announcement.

# “Tentative” Class Schedule

* Week 1: Sections 3.1,2,3
* Week 2: Sections 3.4,5,6,
* Week 3: Sections 3.7 and 4.1,2,3
* Week 4: Sections 5.1,2,3 **and Exam 1 (covers Weeks 1 – 3)**
* Week 5: Sections 5.4,6,7
* Week 6: Sections 6.1,2,3,4
* Week 7: Sections 6.5,6,7 **and Exam 2 (covers Weeks 4 – 6 and some older material)**
* Week 8: Sections 11.1,2
* Week 9: Sections 11.5,6
* Week 10: Sections 11.7 **and Exam 3 (covers Weeks 7 – 10 and some of older material)**

For a list of due dates, refer to the “Tentative” Class Calendar.