

Math 111 - College Algebra ONLINE ---- Winter 2022

Instructor: Jeff Crabill CRNs: 30888
Email: crabilj@linnbenton.edu
Zoom link: <https://linnbenton.zoom.us/j/5419174627> (for chats with the instructor!)
ALEKS link: **Log in to ALEKS using the link in Moodle**
ALEKS Code: **YD3RX-GRAGV**
ALEKS access: **8DF8B-D38C7-74BCA-3E120** (temporary two week access if needed)

LBCC Mission Statement

To engage in an education that enables all of us to **participate** in, **contribute** to, and **benefit** from the **cultural richness** and **economic vitality** of our communities.

Welcome to ONLINE Math 111 Winter Term 2022!

My goal this term is your success in our course, and that will take work on both our parts. You put in the time, stay gritty when it gets rough, reach out when you need help, and we will succeed together!

You WILL have lots of questions! Ask those questions.

You WILL hear your inner critic! Tell it to calm down and chill out!

You WILL run into roadblocks! Slow down and work one step at a time.

You WILL find successes! Praise yourself and feel the success.



Your Instructor “Jeff”

My name is **Jeff Crabill** and please call me “Jeff.” No need for formalities or titles at all in our course, so “Jeff” is just fine. I have been at LBCC since 2002 and this is my full-time job – teaching and sharing mathematics with you.

I know you may feel required to call me something with a title (Mr. or Dr., etc), but in our time together, please use my first name, “Jeff.” Thanks!

This experience together is NOT about my credentials. It is about YOUR success. So please call me “Jeff” and let’s move forward toward your goal!

How will you participate in, contribute to, and benefit from the cultural richness and economic vitality of our community?

Contacting your Instructor

Email:	crabilj@linnbenton.edu
Zoom	https://linnbenton.zoom.us/j/5419174627 I love zoom! Send me an email and we'll arrange a time to chat!
"Office Hours"	I'm available tons! "Official Hours" will be 9am Mon/Wed But in reality, make an appointment anytime and we'll chat on zoom! Use the link in Moodle to make an appointment.

How will the course run?

- This is an **ASYNCHRONOUS** course.
- That means we do not meet all at the same time.
- Your self-discipline and time management is absolutely necessary for success.
- You will work mainly in **ALEKS** each day, working through the objectives it gives you, based on your own strengths and weaknesses.
- Class participation will occur on **Moodle**.
 - This will include online discussions
 - And also will include weekly written work submitted as a PDF upload.
- There will be no live "lecture" sessions

Here is what you will do every week.

Your Task	Where to go
Watch your instructor's weekly video	Moodle
Work through your assigned ALEKS objectives	Link in Moodle
Submit the weekly paper/pencil assignment	Moodle
Participate in online discussion	Moodle

Course Materials Needed:

Item	Where to get it
11 Week ALEKS360 code	Bookstore or in ALEKS**
Graphing calculator	Bookstore or Desmos.com (free!)
Internet access	Home or your favorite coffee shop!
Email access	Home
Notebook for ALEKS problems	Up to you !!

**You'll have a temporary code that you can use for free for two weeks.

How to be Successful in Math 111 ONLINE:

- When you are unsure of anything, **ask for clarification** via email or zoom.
- Priority ONE: Prioritize the **weekly ALEKS topics**.
- Submit your weekly written assignment on Moodle.
- **Participate** in the one or two weekly discussions posted on Moodle
- Put on your calendar two to three 45-minute sessions daily to work on Math 111 topics. Take a break at the end of each work session, then resume.
- **Meet with your instructor** regularly!

Course Catalog Description:

This course explores relations and linear, quadratic, exponential, absolute value, root, polynomial, rational and logarithmic functions. Includes theory of equations, and matrices. Prerequisite: C or better in Intermediate Algebra, or equivalent.

Math 111 Outcomes:

Upon completion of the course, the student will be able to do the following:

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.

Grading Policy:

The student's grade in this class is based on the following categories and weights:

Homework (ALEKS weekly objectives)	30%	Class Discussions	5%
ALEKS overall pie completion	10%	2 ALEKS Midterm Exams	30%
10 Weekly paper/pencil assignments	10%	1 Final Exam in ALEKS	15%

Course grade is a weighted average of the above categories and will be assigned as outlined by the scale below:

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

No single exam is all or nothing! Students who are engaged with the course all term and who participate regularly, will be given at least one opportunity to improve or replace one exam score toward the end of term.

Calculating your grade (It's usually better than you think!)

A weighted average is the sum of each category score multiplied by its weight. For example, if a student earned the following scores:

- 93% weekly ALEKS average
- 85% overall ALEKS pie at the end of the term
- 75% on paper/pencil assignments
- 100% on online discussion posts
- 72% average on two midterms
- 68% on the final exam

then the grade calculation would be

$$93(0.30) + 85(0.10) + 75(0.10) + 100(0.05) + 72(0.30) + 68(0.15) = 80.7$$

This student earns a "B" in the course! (Notice that one does NOT have to ace exams in order earn a decent grade in the course.) Pay attention to the weights and allocate your time accordingly.

Pro Tip: Your actual course grade is often better than you inner critic makes you think !

Course Structure:

This course is divided into 3 modules.

- Module 1: Functions, Linear Equations, Inequalities and Models
- Module 2: Quadratic, Polynomial and Rational Functions
- Module 3: Inverses, Exponential and Logarithmic Functions, Systems and Matrices

Learning the Material and ALEKS:

The course work and most of the course learning will be done in an online adaptive learning environment called ALEKS. You will start with an initial knowledge check that assesses what you already know and what you still need to learn. ALEKS then determines a unique lesson plan for you to learn the material of the course. Note: ALEKS tailors its lesson path to your understanding of the course material. You will have more or less work to do in ALEKS to learn the course material, depending on how much of the course material you still need to learn.

Every course topic has a lesson from the associated book, College Algebra by Julie Miller and Donna Gerken, 2nd edition. **You can access an ebook in ALEKS for FREE**, so you don't have to purchase a hard copy unless you want to. Many of the topics also have videos through the ebook in ALEKS to help you learn the material. You must read the sections in the book and then complete the ALEKS work for that week.

Your key to success in our class is the time you put into it. You must be prepared to spend at least 10 - 15 hours*** or more per week on this class, many of those hours working in ALEKS. Note that since this is a 5-credit math class, if you were in a classroom, you would spend 5 hours in class, and 2 hours outside of class for each hour in class. You will want to be working in ALEKS daily or at a minimum 3-4 times a week to complete each weeks' objectives.

***Please note that your time in ALEKS will depend on the number of objectives you have to complete each week.

Homework/Objectives:

Homework is completed online in ALEKS. The ALEKS pie shows you how much of the course material you have already mastered, learned, and still need to learn. Your homework grade for each week will be the percent of that weeks' objective pie you have completed. The deadline to learn a weeks' objectives is given in ALEKS.

Your lesson path in ALEKS includes topics that are pre-requisites to current course content. This allows you to fill in any gaps in your background knowledge that are essential for you to be able to learn the new material and avoid being stuck and frustrated. You might have to spend time in ALEKS learning these pre-requisites before the content you are learning fills in more of your pie. Note that ALEKS will also randomly assess your understanding of topics you have already learned to see if you still understand it or if it needs to be added back in to your learning path. Tip: ALEKS' goal is that you understand the course objectives, NOT that you do 20 exercises for that section in the book. (You will have more or less to do depending on whether or not you understand it and can do the math yet.) Recognizing this will help you navigate ALEKS successfully.

Writing up Homework and Taking Notes:

Because this is an Internet class, you are responsible for learning the material by reading on your own, keeping yourself on schedule and moving forward. Keep a notebook where you take notes from your work in ALEKS.

Weekly Paper and Pencil Assignments

Each week, your instructor will post a paper and pencil assignment for you on schoology. Please complete the assignment then scan your submission as a PDF and upload to it schoology.

Testing:

Our course will contain two midterm exams and a final. They will be taken in ALEKS using the Respondus LockDown browser. You may use the ALEKS calculator on the tests when ALEKS gives it to you. The tests will be taken via Respondus monitoring online through ALEKS.

Midterm Exam 1: Exam available Jan 31st – Feb 2nd

Midterm Exam 2: Exam available Feb 21st – Feb 23rd

Final Exam: Exam available Mar 14th – Mar 16th

Week 1 Drop Policy

LBCC has a policy allowing non-attending students to be dropped during the first week. The instructor will drop students who have NOT done ALL of the following by **Wednesday, January 5th at 11:59pm**:

1. Completed the syllabus quiz on Moodle
2. Completed Assign 0 on Moodle
3. Logged into ALEKS and completed the Initial Knowledge Check

Being Successful and Getting Help:

Here are the resources for you to use at LBCC to get the help you need!

- Your instructor! I am your first line of defense so ask me! We can set up a zoom meeting and chat online whenever you need.
- Post your question in the Moodle “Questions” forum for classmates to answer. Never assume a question is “silly!”
- LBCC Learning Center Tutoring online help via Zoom: <https://www.linnbenton.edu/current-students/study/learning-center/>

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.

Statement about Exams:

Exams must be taken online with the Respondus monitoring and lock-down browser. Please make sure that you have your area clear of all items and phones turned off. Other computers and web browsers must be shut down. Prepare your 3x5 notecard ahead of time and show it to the camera. To maintain academic honesty, exams must be taken with no other resources, and remember that no exam is all or nothing. The goal is assessment of your work so that we can proceed in the best way forward.

Special Circumstances:

In those situations, 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 inform 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 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)

Caveat Statement:

Please note that any situation or course policy that is not directly addressed in this syllabus shall be decided upon at the sole discretion of the course instructor. Any and all changes to the syllabus will be announced on Moodle.

By taking this course, you acknowledge that not every situation can be addressed in this document and you agree to abide by the decisions of your instructor.

We end with this ...

- **When you have questions, ASK !!** Post in the Moodle forum or get in touch with your instructor!
- **Be gritty ...** stick with it
- **Set aside the necessary time ...** No good endeavor can be done without the time needed
- **Learn to turn down the inner critical voice ...** difficult, but worth it!