Math 111 - College Algebra Internet ---- Spring 2020

Instructor: Jeff Crabill

Email: crabij@linnbenton.edu

Zoom link: https://linnbenton.zoom.us/my/jeffcrabill (for chats with the instructor!)

Schoology link: www.schoology.com enroll with code 3T64-QBC4-DVV23

This will be an "online" course, which means the following:

- You will work mainly in ALEKS each day, working through the objectives it gives you, based on your own strengths and weaknesses.
- There will be no live "lecture" sessions
- You'll be expected to do the following every week:
    - Watch your instructor's weekly video(s) posted on schoology. ○ Work through all the week's ALEKS objectives ○ Submit one paper and pencil assignment via schoology ○ Post at least one "update" in schoology (usually a question or an observation of

      something you figured out) OR answer another student's question. **You must PARTICIPATE in the online discussions.** ○ Take two online midterms and one online final. The tests will be open-notes.

      Calculator will be available on ALEKS when allowed.

Course Materials:

- 11-week ALEKS360 account is required. ALEKS CLASS CODE: FUHLH-9VFWV
- You will need access to a calculator with graphing capabilities OR access to an online graphing calculator like Desmos.
- Regular access to the internet is required. Note: LBCC and public libraries have internet access where you can work.
- Checking your email often is required.
- Working several times each week (5-10 hours weekly)*** in ALEKS is required.
- Keeping a notebook for taking notes with ALEKS and recording work is required.

***Please note that your time in ALEKS will depend on the number of objectives you

have to complete each week.

Schoology:

Use the access code 3T64-QBC4-DVV23 to register for an account at schoology.com. Schoology will be the place online for course announcements, questions, and assignments.
I do not use MOODLE – schoology serves the same function as Moodle.
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%

ALEKS overall pie completion 5%

10 Weekly paper/pencil assignments 20%

2 ALEKS Midterm Exams 30%

1 Final Exam in ALEKS 15%

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

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

Calculating your grade:

A weighted average is the sum of each category score multiplied by its weight. For example, if a student earned 93%, 85%, 95%, 72% and 78% on homework, ALEKS, paper/pencil, midterms, and final respectively, then the grade calculation would be

( ) ( ) ( ) ( ) ( ) 93 0.30 85 0.05 95 0.20 72 0.30 78 0.15
84.5 + + + + =

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.

Course Design:

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 homework 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.

> You must be prepared to spend at least 5-10 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:

There are three exams for this class which must be taken in a testing center and must be proctored. You may use the ALEKS calculator on the tests when ALEKS gives it to you. The tests will be taken at the Albany LBCC campus testing center unless you make other arrangements with me by the end of week 1 of summer term.

Midterm Exam 1: Exam available April 28th or 29th

Midterm Exam 2: Exam available May 19th or 20th

Final Exam: Exam available June 11th or 12th

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 **Thursday, April 8th at 11:59pm**:

1. Completed the syllabus quiz on Schoology 2. Completed Assign 0 on Schoology 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 Schoology “Updates” 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.

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 that is not directly addressed in this syllabus shall be decided upon at the sole discretion of the course instructor. Any and all changes will be announced in the “updates” section of the Schoology course shell.

Finally ... when you have questions, ASK !! The schoology "updates" section is specifically there for everyone to post questions and comments, just like Facebook or Twitter.