

MTH 95 Intermediate Algebra



Term: Spring 2020

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MTH 95 Intermediate Algebra Course Description:

Intermediate Algebra is a course that develops the concept of a function. It is designed for the student who has an algebraic foundation (Math 75). Topics include an investigation of different functions, their graphs, and properties. The functions included are linear, quadratic, polynomial, radical, and exponential. Problem solving, technology, and cooperative learning is emphasized throughout the course. During the term, students will learn to recognize and express mathematical ideas graphically, numerically, symbolically, and in writing. Application problems are realistic with some data to be collected, analyzed and discussed in a group setting with results submitted in written form. Credits 4 Prerequisite: MTH 75 or Placement into the course.

MTH 095 Student Learning Outcomes:

1. Interpret and analyze functions to find information such as domain, range, variable and function values by using a variety of tools that may include graphs, tables or given equations.
2. Model application problems using appropriate algebraic models, which may include linear, quadratic, and exponential.
3. Communicate mathematical concepts, processes and solutions.
4. Apply algebra skills to topics such as factoring polynomials, solving quadratic equations, and simplifying expressions.

Required Materials:

- Tablet or Laptop Minimum [specifications for use with ALEKS software:](https://www.aleks.com/support/system_requirements) https://www.aleks.com/support/system_requirements
- ALEKS 360 access code for 11 weeks. This should cost \$60. (If a 52-week code was previously purchased, that may be continued.) You may purchase this at the bookstore's website or through the ALEKS website.
- Course Materials Packet can be ordered through the Bookstore website.
- Webcam and microphone will be needed for remotely proctored test and class meetings as well as reliable internet access.

Recommended Materials:

- Non-graphing, scientific calculator for testing. Graphing Calculators are not allowed on tests.
- Three ring binder for your course packet, ALEKS notes and class notes

Grading Policies:

Category	Percent of Grade	Grading Scale
ALEKS Weekly Objectives	20%	A: 90 -100%
ALEKS Topics/Pie Overall	5%	B: 80 – 89%
In-Class Work	25%	C: 70 - 79%
ALEKS Skills Test 1	5%	D: 60 - 69%
ALEKS Skills Test 2	15%	F: 0 - 59%
Midterm Exam	12%	
Final Exam	18%	

Students may view their grades on the ALEKS website.

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 attendance and passing the course prior to the “special circumstance”.

Tests:

- The **Midterm Exam** will be taken using remote video proctoring and it has a time limit. The *tentative* midterm exam date is listed on the course calendar.
- The date and time of the comprehensive **Final Exam** is on the calendar. There will be a time limit.
- All **ALEKS Skills Tests** will be taken using remote video proctoring. You will have two-days during which to take these tests.

Homework:

ALEKS is an adaptive online homework website (www.aleks.com). You will need to purchase an access code but your instructor will give you a code for the first two weeks. Your skills work will be completed on this site. Each week’s skills, called “Objectives,” will be available for a given length of time and you must learn those skills and demonstrate mastery by the deadline date and time. Your score at the time of the deadline will be recorded as a homework grade for that week. Students who finish their ALEKS work before the deadline can work on other topics in the course pie.

ALEKS Homework Guidelines:

You should keep a notebook of loose-leaf paper for your ALEKS homework. You are expected to work through each problem and then write up neat, readable solutions for your notebook. Include the original problem unless it is a lengthy word problem. This will give you a study reference before testing.

In-Class Work or Written Work Assigned:

Students will be actively participating in learning activities every week. While we are not in class, and are learning from our own homes, work may be done on your own, or with groups, as directed by your instructor over Zoom meetings. Generally, these activities must be done and turned in by a certain deadline and cannot be made up. These are the lessons for this course. The activities are designed to help students develop and understand the concepts behind the math skills and how to apply them to various situations.

Drop for NonAttendance or NonParticipation

During the first week of the term, the instructor may drop students for not participating in class and not completing the ALEKS initial knowledge check by a specific date.

Late Work

Late work is not generally accepted for credit.

Notes online

Any direct instruction offered by your instructor will be available online on Moodle and ALEKS

Help

If you have questions, PLEASE email me, attend a Zoom question session or access a Zoom help session from LBCC's Math Café team. Many students find that working with classmates is the best way to learn and understand the material. We may work out study groups online as the term moves forward. Your instructor will provide details. Don't forget about the **e-book and videos** available on ALEKS. While we are dealing with remote instruction it will be critical that you read the eBook and watch the videos you will find embedded near examples and explanations in the eBook.

Remote Access to the Math Café for Math Help:

The Math Café will offer help with your math questions and will have Zoom online access during the following hours:

Mondays through Thursdays: 8am to 9pm

Fridays: 8am to 5pm

Saturdays: 11am to 4pm

Click on the link to the [Zoom Online Help Room](#).

Expectations:

- I expect that my students will be involved in class. This includes logging into Zoom if possible during class times, or watching the video later, while we are working remotely and asking questions and participating in discussions and group work, as directed by your instructor.
- You should log into Zoom meetings prepared (this means you should have your notebook, tablet/laptop, etc. in addition to having your work with you). Spend **at least 8 hours per week working on this class**.
- I expect you will be respectful of everyone in the class, in word as well as behavior. We all will need extra patience and kindness this term.

LBCC Email:

You are responsible for all communications sent via ALEKS 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.

Academic Honesty:

I assume that you are ethical and honest. During proctored exams you must not access outside notes, help from others, a graphing calculator, or your cell phone. 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 if we Return to Campus:

Students who may need accommodations due to documented disabilities, who have medical information which the instructor should know, or who need special arrangements in an emergency should speak with their instructor during the first week of class. If you believe you may need accommodations but are not yet registered with the Center for Accessibility Resources (CFAR), please visit the [CFAR Website](#) for steps on how to apply for services or call [\(541\) 917-4789](tel:5419174789).

LBCC Comprehensive Statement of Nondiscrimination:

LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, gender, gender identity, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. For further information see Board Policy P1015 in our [Board Policies and Administrative Rules](#). Title II, IX, & Section 504: Scott Rolon, CC-108, 541-917-4425; Lynne Cox, T-107B, 541-917-4806, LBCC, Albany, Oregon. To report: linnbenton-advocate.symplicity.com/public_report

The instructor reserves the right to make changes to the syllabus/calendar at any time. During this term there are many unknowns. We all will need extra patience and flexibility.