

MATH 152A

Beginning Algebra Part 1

Fall 2015 LTCC

Course Outline and Syllabus

Instructor:	Caren LeVine
Meeting Venue:	Tuesday or Thursday 4-5:50PM Room A251
email:	celevine@mail.ltcc.edu

Office Hours	
Tuesday	Thursday
3:30 - 4 pm Other times by appointment	3:30 - 4 pm Other times by appointment

MAT 152A BASIC ALGEBRA (PART I) Lecture 4, Lab 0, Units 4

This course is designed as an introduction to algebra. Topics covered include the four basic operations with positive and negative numbers and with polynomials, solving and graphing linear equations, an introduction to functions and sets, and properties of integral exponents.

PREREQUISITE: MAT 187B with a grade of "C" or better or equivalent

Required Textbook: *Beginning and Intermediate Algebra Fifth Edition* by Elayn Martin-Gay.

Required Software License: It is required to have a software license for this class. Students have two choices. The first is to purchase the textbook from the bookstore. The textbook comes with the license. The second choice is to purchase the license alone either from the bookstore or online. The license gives you access to the textbook online. This is a more economically reasonable choice, but is only recommended to students who have online access and feel comfortable reading a computer screen instead of a traditional book. Purchasing a used textbook without the software license is not an option for this class.

You enter a valid email address when you register on Course Compass (www.coursecompass.com) or <http://www.pearsonmylabandmastering.com/northamerica/>. I will communicate with you via this email. Therefore, you must monitor the email address you used.

Our Course ID is levine99596.

Course Overview/Objectives:

This course will study the basic concepts of algebra. Topics include the real numbers their properties, solving linear equations and inequalities, the four basic operations with polynomials, graphing linear functions and inequalities in two variables, properties of exponents and introduction to functions.

Student Learning Outcomes:

1. Solve linear equations and inequalities.
2. Define and employ terminology and arithmetic relating to polynomials in one variable.
3. Determine the equation and graph a line given information about the line.
4. Manipulate expressions with integral exponents.
5. Apply course topics to real-world situations.

Suggestions, Tips and Advice:

- Class time is valuable. Arrive on time, be prepared having read the assigned reading and having completed any due assignments.
- Bring your notebook and your textbook to each class.
- Take notes in class.
- The textbook has been carefully selected. **Read it!**
- Practice. You must practice in order to succeed at math. Do some math every day.
- Get help in the Math Resource Center and with the tutors. Study with your classmates.
- Use the online program wisely. Take practice tests, go back and review homework problems. Watch videos. Use the resources.

Exams:

There will be two Midterm exams given in the quarter. We will have a comprehensive Final Examination. Exams will be traditional paper and pencil exams. Students are to bring pencils or pens, and paper to each exam. Grading will be based on the progress towards the final answer, and the demonstration of understanding of the concept that is being tested, therefore work must be shown in detail. Any student who cannot make it to an exam may elect to take the exam up to two days before the exam is scheduled. **Without prior notice, no makeup exam will be given. Please make sure to let me know about any testing or learning accommodations so I can arrange with The Learning Center or the DCR (Disability Resource Center)**

Quizzes:

Each week you will take a MyMathLab quiz. Before you take the quiz, make sure that you have done the guided exercises, read the textbook sections for the week, looked at the video(s), and received assistance from either a tutor or your instructor on any difficult topics. Please ask for help if you need it. If you do not take a quiz, a zero will be recorded for that grade. Quizzes must be completed by midnight (11:59pm) each Sunday.

Homework Assignments:

Homework is due each Sunday by midnight (11:59pm). You will be using the MyMathLab website to work on your homework. Feel free to consult a fellow classmate, a tutor, your instructor, or anyone else for assistance on the homework. I encourage you to work in a study group to study as well.

Homework assignments close Sundays at midnight. However there are versions of the homework assignments that never close. You may work on these homework assignments all quarter. These assignments do not count towards your grade, and are provided so that you may use them as a study and review aid. These assignments are all named with the suffix 'Ungraded'.

Carnegie Unit Statement:

Students earn credits (or units) based upon the Carnegie unit standard which equates 1 unit of course credit to 3 hours of coursework per week (Title 5 § 55002.5). Thus, to earn 4 quarter units for a lecture course, you must attend and participate in 4 hours per week of “in-class” lecture and complete 8 hours per week of outside work (studying, reading, completing homework assignments, preparing for quizzes and examinations, etc.) for a total course workload of 12 hours per week.

Evaluation Criteria:

Grading will be based on your total scores from:

2 Midterm exams	200 points	40 %
1 Comprehensive Final	150 points	30 %
11 Quizzes	75 points	15 %
11 Assignments	75 points	15 %
Total	500 points	100 %

No extra credit work will be assigned or accepted.

The letter grade assigned will be based on the following cutoffs:

90 % - 100 %	A
80 % - 90 %	B
70 % - 80 %	C
60 % - 70 %	D
< 60 %	F

Help:

I want you to succeed and feel confident in this math course and future math coursework. I will help you along the way but it is up to you to ask for help. I will be available before class in the Library or outside the Math Success Center. You can make arrangements for help with math work by appointment as well. Please let me know if you have **any** difficulties or special needs. We have **tutoring** and a **Learning Assistance Center** available. We have the **Math Success Center** with tutors, computers and help available. We have a **Learning Disabilities Lab** available and I will accommodate any learning disability you may have to the best of my and the College’s ability. If you find that you are lost or behind please do not hesitate to email me or talk to me before class.

Accommodations for Students with Disabilities: In compliance with accessibility laws, I am available at any time to discuss any accommodations any student requires for this class. Students are encouraged to contact LTCC DRC (<http://www.ltcc.edu/web/current-students/disability-resource-center>) for information and assistance. Students with disabilities who may need accommodations for this class are encouraged to notify me and contact the Disability Resource Center (DRC) early in the quarter so that reasonable accommodations may be implemented as soon as possible. Students may contact the DRC in room A205 or by phone at (530) 541-4660 extension 249.

Online tutoring: The link to the Tutoring & Learning Center (TLR) is: http://www.ltcc.edu/web/new-students/tutoring_learning_center. For general questions, please contact us at TLCProctor@ltcc.edu, posada@ltcc.edu or call (530) 541- 4660 x740 or x744. The link to the Library is: <http://library.ltcc.edu/>

Library & Study Areas ext. 232:

The 15,000 square foot high-tech library has been designed to give students a spacious, comfortable and stimulating environment. The new facility offers a variety of learning areas, including a half dozen group study rooms, an audio-visual viewing room, a fireside reading den, and study carrels overlooking the forest.

The services and materials provided include 40,000 books, magazines, DVD's, CD's, videos, 25 computer stations, and wireless access. Please see the back of the schedule for the library hours.

A Word on Honesty:

Cheating or copying will not be tolerated. People who cheat dilute the honest effort of the rest of us. **If you cheat on an exam you will receive an F.** Other college disciplinary action including expulsion might occur. Please don't cheat in this class. If you are having difficulty with the course, please see me.

Academic Dishonesty and Plagiarism Statement:

All submitted work for this course must be in your own words. Do not copy from the Internet or other sources nor allow someone else to do assignments for you. Papers that are plagiarized will receive a grade of zero. Papers and other submitted assignments that are similar in content will result in both students receiving a grade of zero. Academic dishonesty is a serious offense and will not be tolerated. Please do your own work at all times. If you have any questions please refer to the LTCC college catalog: Student Rights & Responsibilities - Academic Dishonesty and Plagiarism Policy; Disciplinary Actions, current catalog. The use of any electronic devices during quizzes/exams will be considered academic dishonesty and dealt with in accordance with the LTCC Student Catalogue-Academic Dishonesty policy.

Attendance and Participation:

Class attendance is crucial for success in this course. Students will be held accountable for their attendance. Students who stop attending class may be dropped by the instructor or receive an F in the class.

Class participation is required! Participation is defined as actively engaging in classroom discussion related to course material and thus required you to have done the reading assignments prior to class. It is through participation that each of you will have the additional opportunity to demonstrate your knowledge of the material. Participation also increases retention and understanding of the concepts.

Classroom Behavior and Etiquette

You have enrolled in this college class voluntarily and I commend you for your efforts at further educating yourself, an admirable thing to do. I therefore assume that you are attending class to learn. My responsibilities include maintaining an effective learning environment in the classroom so that you may learn in this class.

I expect you to respect our class meetings as a time and place for learning. As such, disruptive behavior in the classroom will not be tolerated. If you elect to disrupt your classmates while they are trying to learn I will eject you from the class. (I may eject you for any inappropriate behavior.) You may not return to class for two class meetings. Before returning to class you must come see me.

Class Schedule and Assignments (subject to revision):

Week	Date	Topics Covered
1	9/22	1.2 Symbols and Sets of Numbers 1.3 Fractions
	9/24	1.4 Introduction to Variable Expressions and Equations 1.5 Adding Real Numbers
2	9/29	1.6 Subtracting Real Numbers 1.7 Multiplying and Dividing Real Numbers
	10/1	1.8 Properties of Real Numbers 2.1 Simplifying Algebraic Expressions
	10/2	Last day to drop with no record!
3	10/6	2.2 The Addition and Multiplication Properties of Equality 2.3 Solving Linear Equations
	10/8	2.4 An Introduction to Problem Solving
4	10/13	2.5 Formulas and Problem Solving 2.6 Percent and Mixture Problem Solving
	10/15	2.7 Further Problem Solving 2.8 Solving Linear Inequalities
5	10/20	Exam 1 Chapters 1 and 2 Monday 10/21
	10/22	3.1 Reading Graphs and the Rectangular Coordinate System 3.2 Graphing Linear Equations
6	10/27	3.3 Intercepts 3.4 Slope and Rate of Change
	10/29	3.5 Equations of Lines
7	11/3	9.4 Graphing Linear Inequalities in Two Variables
	11/5	3.6 Functions
	11/6	Last day to withdraw from the course with a W!
8	11/10	5.1 Exponents
	11/12	5.2 Polynomials: Definition, +, -
9	11/17	Exam 2 Sections 3.2 - 3.7, 9.4 and 5.1 - 5.2 Monday 3/3
	11/19	5.3 Multiplying Polynomials 5.4 Special Products
10	11/24	5.5 Negative Exponents and Scientific Notation
	11/26	5.6 Division of Polynomials
11	12/1	9.1 Compound Inequalities
	12/3	9.2 Absolute Value Equations
12	12/8	Final exam