MATH 154A
Winter 2015 LTCC
Course Outline and Syllabus

Instructor:	Caren LeVine
Meeting Venue:	Room E 106
	Mon/Wed 4 – 5:50 pm
Email:	celevine@mail.ltcc.edu

Office Hours (Library) BY APPOINTMENT	
Monday	Wednesday
3:30 – 4pm By Appointment	3:30 – 4pm By Appointment

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. Without a software license you will not be able to pass this class. You will need the software license to complete the first homework assignments, so it is best to get this as soon as possible. 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).

Course website: www.mymathlab.com
MAT 154A course id: levine40303
For assistance: call 1-800-677-6337, Mon –Fri 12:00 PM to 8:00 PM EDT
Online assistance is available 24 hours every day at:
http://247pearsoned.custhelp.com

Course Overview:
This course is a continuation of Math 152B. The course includes quadratic equations and functions and their applications, non-linear inequalities, operations and composition of functions, conic sections: parabolas, circles, ellipses and hyperbolas, linear and non-linear systems of equations, inverse functions, exponential functions, logarithms, sequences and series, and the Binomial Theorem.

Student Learning Outcomes:
      1. Apply the course topics to real-world situations.
      2. Sketch and interpret the graphs of functions and relations introduced in
         intermediate algebra.
      3. Simplify mathematical expressions into forms more amenable to analysis.
      4. Provide solutions to equations using methods from intermediate algebra.

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.
- Participation in critical in the learning process. The more you participate, the more you will remember and comprehend.

Exams:
There will be One Final Exam and 2 In Class Exams for this course. These will be traditional paper and pencil exams. Students are to bring pencils or pens, and paper to each exam. A scientific calculator is allowed. Questions may be multiple choice or open questions. On open questions, grading will 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.**

Quizzes:
There will be 8 short online Quizzes. Before you take a 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. There is no time limit for the Quizzes online but cheating is inacceptable.

Homework Assignments:
Homework is due each Sunday by midnight (11:59pm). You will be using the MyMathLab website to work on your homework. You have three trials to complete the homework for a grade, with unlimited time. Feel free to consult a fellow classmate, a tutor, your instructor, or anyone else for assistance on the homework.

Evaluation Criteria:
MAT 154A
Grading will be based on your total scores from:

1 Final	160 points	40 %	90 % - 100 %	A
8 Quizzes	80 points	20 %	80 % - 90 %	B
2 Exams	80 points	20 %	70 % - 80 %	C
Weekly Homework	80 points	20 %	60 % - 70 %	D
Total	400 points	100 %	< 60 %	F

NOTE: YOU MUST PASS THE FINAL EXAM IN ORDER TO PASS THE CLASS

No extra credit work will be assigned or accepted.
The letter grade assigned will be based on the following cutoffs:

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 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.

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.

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.

Week	Date	Topics Covered
1	1/5	3.6 Functions
	1/7	4.4 Systems of Linear Equations 8.2 Graphs of Functions Quiz 1 Online
2	1/12	8.3 Transformations of Functions and Piecewise Functions
	1/14	11.3 Using Quadratic Methods to Solve Equations 11.4 Nonlinear Inequalities in One Variable Quiz 2 Online
	1/16	**Last day to drop with no record!**
3	1/19	No Class – Martin Luther King, Jr. Day
	1/21	11.5 Quadratic Functions and Their Graphs 11.6 Further Graphing of Quadratic Functions Quiz 3 Online
4	1/26	12.1 The Algebra of Functions; Composite Functions
	1/28	12.2 Inverse Functions Quiz 4 Online
5	2/2	12.3 Exponential Functions 12.4 Logarithmic Functions
	2/4	12.5 Properties of Logarithms Quiz 5 Online
6	2/9	12.6 Common Logarithms, Natural Logarithms, Change of Base 12.7 Exponential and Logarithmic Equations and Applications
	2/11	EXAM 1 IN CLASS 12.8 Problem Solving with Exponential and Logarithmic Eqns
7	2/16	No Class – Presidents' Day
	2/18	13.1 The Parabola and the Circle Quiz 6 Online
	2/20	**Last day to withdraw from the course with a W!**
8	2/23	13.2 The Ellipse and the Hyperbola
	2/25	13.3 Solving Nonlinear Systems of Equations Quiz 7 Online
9	3/2	14.1 Sequences
	3/4	14.2 Arithmetic and Geometric Sequences 14.3 Series Quiz 8 Online
10	3/9	14.4 Partial Sums of Arithmetic and Geometric Sequences
	3/11	EXAM 2 IN CLASS & Review
11	3/16	14.5 The Binomial Theorem
	3/18	Review
12	3/25	**Final exam** Wednesday 4 – 5:50 pm