Intermediate Algebra
Math 154A-03
Spring 2013 4 units

INSTRUCTOR: Cindy Littell

OFFICE HOUR: TBA at the end of week 2

E-MAIL: ltcc.littellc@gmail.com

MEETING TIMES: **Tuesday & Thursday 1:30pm to 3:20pm**

MEETING PLACE: **Room E106**

REQUIRED TEXT: Elementary and Intermediate Algebra, 5th Ed, by Elayn Martin-Gay

Homework log in: mymathlab.com

Course Code for Homework: littell04955

Course Description: MAT 154 is a continuation of MAT 152B and covers functions and inverses, exponential and logarithmic functions, sequences and series, and conic sections, quadratic equations, and systems of quadratic equations.

Prerequisite: A grade of "C" or better in Math 152B or equivalent or appropriate skills demonstrated through the Math Assessment process.

Students with disabilities must identify themselves to me within the first two weeks of class.

Accommodations for Students with Disabilities: Students requiring accommodations for a certain disability that may affect class performance are requested to schedule with a staff member at the DRC to discuss this during the first week of the quarter so that appropriate arrangements can be made. They only test and accept new students into the program during the first two weeks of each quarter, so don't put it off.

The **Math Success Center** (within A201) has free tutoring for all registered students. Please Log In and Out so that the facility gets the funds it needs to continue this free service.

Attendance and Etiquette: As a college student, you have voluntarily signed up for approximately 16 hours of Math a week this winter. It is therefore important to remind you that missing four classes will result in being dropped for non-attendance. Our time in class is a time of learning and is to be respected as such; therefore, disruptive behavior will not be tolerated. A two-class expulsion will be applied for any disruptive behavior.

As a Courtesy to everyone in class, please turn off your cell phones. Thank you.

How to succeed in a Math class:
1. Come to **every** class meeting.
2. Arrive early, be prepared, and **take notes**.
3. **Ask questions**, especially if you don't understand a concept.
4. Do **more than just** the homework problems.
5. Take advantage of the free **tutoring service in the MSC and my office hour (tba)**.
6. Study in groups and do your homework with a classmate.
7. Start preparing for exams at least one **week** in advance.
8. Do some math **every** day.

Dropping: In this class, it is your responsibility to drop the class in order to avoid an unwanted grade. The drop date schedule is printed on the back of the quarter schedule.

Student Outcomes

The successful student will:
1. Exhibit a proficiency in the topics covered in the course;
2. Engage in logical and critical thinking;
3. Read technical and graphical information; and
4. Demonstrate the solution to problems by translating written language into mathematical statements, interpreting information, sketching relevant diagrams, analyzing given information, formulating appropriate math statements, and checking and verifying results.

Grading: Your class letter grade will be based on the usual grading scale:

A: 90% and above, **B:** 80-89%, **C:** 70-79%, **D:** 60-69%, **F:** $\leq 59\%$

Homework	**150 points**
Quizzes	**150 points**
3 Exam Exams	**450 points**
Comprehensive Final Exam:	**250 points**
Total	**1000 points**

Homework: All Homework assignments are online. Due Dates for each assignment are posted online. All Homework will be due by the next lecture. You may work on the homework after the due date to improve your score with a deduction in score for all late work.

Quizzes: There will be a daily closed-note quiz held in the first 5 minutes of class. The quizzes will consist of two questions, one from the homework, and one from the reading. Quizzes may not be made up.

Exam Exams: Exams are to be taken on the date scheduled unless you have a medical emergency. In such an event, please notify me as soon as possible to make arrangements and ***your score will be reduced 10% per school-day late***. To take the exam early, if you are unable to take the exams at the scheduled time, you will need to email me a request stating why as well as the time of your scheduled appointment with the TLC at least one week in advance of the appointment.

Non-graphing calculators are allowed during testing. Please practice them with the homework.

The Comprehensive Final Exam is on June 27th, 2013. *Check the Schedule of Classes for time.*

Academic Integrity:

Homework may be done in groups with other students or with the help of the instructor or tutors, but each student must turn in their own work. Quizzes are to be done individually. Exams must be done by the student alone. Any Student who violates this rule will receive a zero on the Exam. A second offense will result in withdrawal, failing the course, or academic expulsion.

***TENTATIVE* SCHEDULE**

Date	Section	Topic
Apr. 9		Introductions/ Syllabus
	4.4	3 x 3 systems of linear equations
Apr. 11	8.2	More functions
Apr. 16	8.3	Graphing functions
Apr. 18	11.3	Solving Quadratics
Apr. 23	11.4	Non-linear inequalities in one variable
Apr. 25	11.5	Quadratic Functions and Their Graphs
Apr. 30	11.6	Quadratic Graphing Continued
		Review for Exam #1
May 2		Exam #1
May 7	12.1	Algebra and Composition of Functions
	12.2	Inverse Functions
May 9	12.3	Exponential Function
May 14	12.4	Logarithmic Functions
May 16	12.5	Properties of Logarithms
May 21	12.6	Logs: Common, Natural, change of base
May 23	12.7	Exponential and Logarithmic Apps
	12.8	More log apps and Review for Exam #2
May 28		Exam #2
May 30	13.1	The Parabola and the Circle
	13.2	The Ellipse and the Hyperbola
Jun. 4	13.3	Solving Nonlinear systems of Equations
	13.4	Nonlinear Systems of Inequalities
Jun. 6	14.1	Sequences
	14.2	Series
Jun. 11	14.3	Arithmetic
	14.4	Geometric
Jun. 13	14.5	Pascal's triangle and the Binomial Theorem
		Review for Exam #3
Jun. 18		Exam #3
Jun. 20		Review for Final
Jun. 27		COMPREHENSIVE FINAL