

Math 152B Intermediate Algebra

Tuesday and Thursday 6:00 to 7:50 PM Room A250 4 UNITS

Instructor: Charlie Lincoln

Email: c.lincoln@sbcglobal.net

Phone: 577-0414

Office Hours: By Appointment

Course ID (for [MyMathLab](#)): **lincoln06664**

(Optional) Text Beginning and Intermediate Algebra 5th edition by Elayn Martin-Gay

Required Software: It is required to have a software license to use the software MyMathLab in this class. You must have a valid e-mail address to use the on-line curriculum. Students have two choices. The first choice is to purchase the textbook from the bookstore. The textbook comes with the software license. Note: If you purchase a used textbook, it may not have a valid course access code. Be VERY careful when acquiring the text. The second choice is to purchase the license alone either from the bookstore or online at coursecompass.com. The license gives you access to the textbook online. This is a more economical choice, but is only recommended to students who have online access and feel comfortable reading a computer screen instead of a traditional book. If you have already purchased an access code for Math 152A for this textbook, you may also use it for this class at no extra cost. To access our class page, go to www.coursecompass.com and register using your student access code and the course ID for this class: **lincoln06664**

For assistance with MyMathLab: You may get help by calling 1-800-677-6337 during the following hours: Mon – Fri 5:00 AM – 5:00 PM & Sunday 2:00 PM – 9:00 PM. Online assistance is available 24 hours every day at: 247pearsoned.custhelp.com

Calculator: A scientific calculator is required for this course. Graphing calculators will not be allowed on exams.

Course Description: MAT 152B is a continuation of MAT 152A. Topics covered will include factoring, solving equations with rational and radical expressions, systems of linear equations, and solving quadratic equations.

Prerequisite: A grade of C or better in MAT 152A, or appropriate skills demonstrated through the Math assessment process.

Student Learning Objectives:

1. Factor a polynomial.
2. Apply the four basic operations to rational and radical expressions.
3. Solve equations with rational and radical expressions.
4. Solve a 2 x 2 system of linear equations.
5. Solve quadratic equations.
6. Apply course topics to real world situations.

Grading Policy Your letter grade will be based on your percentage of possible points.

A 90 -- 100% C 70 -- 79%

B 80 -- 89% D 60 -- 69%

Homework.	85 points
In Class Quizzes.	100 points
Midterm Exam 1	100 points
Midterm Exam 2	100 points
Final Exam:	115 points
Total	500 points

Grades will be posted on the internet at LTCC Portal

Computer Homework: Each homework assignment is due every class day and is considered late if it is not complete. Homework is done using the MyMathLab computer assisted learning tool. It is recommended that you work on the homework each day with the goal of completing your homework 24 hours before it is due so that you have time to respond to unforeseen emergencies or confusions. Feel free to consult a fellow classmate, a tutor, your instructor, or anyone else for assistance on the homework.

Quizzes: You must notify me before a quiz if you will miss the quiz (577-0414). Quizzes must be made up within 3 school days after the scheduled date. There will be five quizzes but only four are counted so your lowest quiz score will automatically be dropped.

Midterm Exams: You must notify me before an exam if you will miss the exam (577-0414). Exams must be made up within 3 school days after the scheduled date. You may take an exam up to 3 school days before the scheduled date. Arrangements must be made with me one week in advance.

Please come see me if you do not understand these policies.

In this class, it is your responsibility to drop the class in order to avoid an unwanted grade. You must go to Admissions & Records.

Friday, Jan 18, 2013 is the last day for refunds.

Friday, Feb. 1, 2013 is the last day to drop with no record.

Friday, Feb. 22, 2013 is the last day to withdraw with a "W" grade.

How to Succeed in a Math Class:

I am often asked how to successfully pass a math class, and here is my advice:

1. Come to every class session. Be prepared, and plan on participating.
2. Do your homework. Remember that what I assign is what I consider a bare minimum. If you need more practice, do it.
3. Read the book.
4. Make use of available tutors and my office hours. You will find tutors who know the subject matter in this course at the GMC.
5. Do math every day. Math is just like everything else: if you don't practice, you become rusty.

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 Disability Resource Center to discuss this during the first week of the quarter so that appropriate arrangements can be made.

* Course materials available in alternate format.

Academic Dishonesty: Academic dishonesty of any form will not be tolerated. Students caught cheating on exams or quizzes will receive a score of zero on the assignment for the first offense and a course grade of F for the second offense. Students my work together on homework assignments (and, in fact, are encouraged to) as long as all students understand the material covered.

Course Schedule:

The following is a tentative schedule. If things change, I will let you know.

January

8	4.1, 4.2	Solving Systems by Graphing and Substitution
10	4.3, 4.5	Solving Systems and Applications
15	6.1, 6.2	Factoring: Common Factors, Grouping
17	Quiz 1 , 6.3	Factoring Trinomials
22	6.4, 6.5	Factoring Trinomials & Binomials
24	6.6, 6.7	Solving Equations using Factoring and Applications
29	Review	
31	Exam I	

February

5	7.1, 7.2	Simplifying, Multiplying, Dividing Rational Expressions
7	Quiz 2 , 7.3	Adding and Subtracting Rational Expressions
12	7.4, 7.5	Equations with Rational Expressions
14	7.6, 7.7	Proportion and Applications, Complex Fractions
19	Review	
21	Exam II	
26	8.4	Variation
28	9.3, 9.4	Absolute Value Inequalities, Systems of Linear Inequalities

March

5	10.1, 10.2	Radicals and Rational Exponents
7	Quiz 3 , 10.3, 10.4	Simplifying Radicals, Operations on Radicals
12	10.5, 10.6	Rationalizing Denominators, Solving Radical Equations
14	Quiz 4 , 10.7	Complex Numbers
19	11.1, 11.2	Completing the Square and the Quadratic Formula
21	Quiz 5	Review
26	Final Exam	