INTERMEDIATE ALGEBRA
DMAT.0310 - Sections 63431 & 93424
SPRING 2015
1/20/15 – 3/19/15

Professor: Richard DeLong
Email: richde37@yahoo.com
Office Phone Number: 214-860-8645 (division office)
Office Number: W 210 (division office)
Office Hours: not applicable for online class
Meeting Days & Time: not applicable for online class
Room Number: not applicable for online class
Credit Hours: 3 Semester Hours

Division: Business, Computer Science and Mathematics
Office Hours: M – R 7:30 am – 6:00 pm, F- 7:30 am – 5:00 pm
Office Phone: 214-860-8645
Office Number: W210

Course Description: This course is a study of relations and functions with special emphasis on linear and quadratic expressions and equations, including complex solutions. Also covered are absolute value, polynomial, radical and rational expressions and equations, and linear and absolute value inequalities.

Course Prerequisites: An appropriate assessment test score or DMAT 0305

Course Materials/Supplies Needed
All work for this class is done using MyMathLab. The textbook in use (which can be accessed using MyMathLab) is: BEGINNING & INTERMEDIATE ALGEBRA, by Lial, Hornsby, & McGinnis, 5th edition (ISBN#9780321760227). You need not buy a textbook unless you want a hard cover copy.

Getting Started: (see page 4 for more detail)
You are required to purchase an access code which will give you access to the homework, tests, textbook, power point presentations, and videos. You may purchase the code at the bookstore, or online at www.coursecompass.com. Register your access code at www.coursecompass.com and set up a login and password to use. Enroll in my class with the course id number delong 25534. You must be enrolled in my grade book by census day (January 27) to be certified as "attending" for financial aid purposes.
Core Objectives:
The objective of the mathematics component of the core curriculum is to develop a quantitatively literate college graduate. Every college graduate should be able to apply basic mathematical tools in the solution of real-world problems.

1. To apply arithmetic, algebraic, geometric, higher-order thinking, and statistical methods to modeling and solving real-world situations.
2. To represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically.
3. To expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments.
4. To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.
5. To interpret mathematical models such as formulas, graphs, tables and schematics, and draw inferences from them.
6. To recognize the limitations of mathematical and statistical models.
7. To develop the view that mathematics is an evolving discipline, interrelated with human culture, and understand its connections to other disciplines.

Student Learning Outcomes
Upon successful completion of this course, students will:
1. Define, represent, and perform operations on real and complex numbers.
2. Recognize, understand, and analyze features of a function.
3. Recognize and use algebraic (field) properties, concepts, procedures (including factoring), and algorithms to combine, transform, and evaluate absolute value, polynomial, radical, and rational expressions.
4. Identify and solve absolute value, polynomial, radical, and rational equations.
5. Identify and solve absolute value and linear inequalities.
7. Connect and use multiple strands of mathematics in situations and problems, as well as in the study of other disciplines.

Course Outline:
Chapter 6          Rational Expressions and Applications
Chapter 7          Graphs, Linear Equations, and Functions
Chapter 9          Inequalities and Absolute Value
Chapter 10         Roots, Radicals, and Root Functions
Chapter 11         Quadratic Equations, Inequalities, and Functions

Evaluation Procedures:

<table>
<thead>
<tr>
<th>Grading Scale</th>
<th>Average</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td>90 - 100</td>
<td>A</td>
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<tr>
<td>80 - 89</td>
<td>B</td>
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<tr>
<td>70 - 79</td>
<td>C</td>
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<tr>
<td>50 - 69</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>0 - 49</td>
<td>F</td>
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</tbody>
</table>

**Homework (20%):**
Each homework problem can be worked until it or a similar item is done correctly. After you attempt a problem, you can check your answer. If it is wrong, choose "give me a similar problem", and you will be given a new problem to attempt. When doing homework, you can save your work and come back to it later. If you skip an item, you can go back to it later. **You can do homework after the due date, but problems worked correctly after the due date will be discounted 20%**. Final date for homework is Thursday, March 19.

(See page 5 of syllabus for homework schedule.)
Tests (80%): You will have four tests. And you will have two chances for each test. When doing a test on the computer you can save your work and come back later (provided the time limit has not expired and you do not hit the "submit" key), but, unlike the homework, if you skip an item, the system does not permit you to go back to it. (See page 5 of syllabus for test schedule.)

Late Work Policy: Homework assignments can be submitted late up until last day of class, March 19.

Make-up Exam Policy: Each test can be taken two times. The highest grade will be recorded.

Certification Procedures: (For Online Courses)
To be counted as "having attended" you must have accessed MyMathLab not later than the census date of January 27. Financial aid will not be granted to students who have been certified as "Not Attending." Students who are not certified as having attended are responsible for any payments due as a result of non-certification, including the dropping of classes.

The withdraw date for this class is Friday February 27, 2015.

Academic Dishonesty: Students that caught plagiarizing an assignment will be subject to an “F” in the course and possible expulsion from the college.

Academic honesty is expected, and integrity is valued in the Dallas County Community Colleges. Scholastic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion. As a college student, you are considered a responsible adult. Your enrollment indicates acceptance of the DCCCD Code of Student Conduct published in the DCCCD Catalog. More information is available at https://www1.dcccd.edu/catalog/ss/code.cfm.

Institution Policies: Please visit http://www.mountainviewcollege.edu/Academics/Documents/Institutional%20Policies.pdf for a complete list of institutional policies (Stop Before You Drop; Withdrawal Policy; Repeating a Course; Financial Aid; Academic Dishonesty; Americans with Disabilities Act Statement; Religious Holidays; and Campus Emergency Operation Plan and Contingency Plan.).
Getting Started with MyMathLab

MyMathLab is an interactive website where you can:

- Self-test to improve your math skills and create your personal study plan
- Practice exercises to help with specific textbook sections
- View a video for further understanding
- Work interactive problems in the Multimedia textbook
- Use customized materials prepared by your instructor

What do you need to get started?

| ✅  | A Valid Email Address | Don't have it yet? Contact your school's technology center or set up a free account on a web site that offers this service (for example, through Hotmail or Yahoo). |
| ☐  | Course ID (CourseCompass students only) | Don't have it yet? Contact your instructor to get it. The Course ID is unique for each course. |
| ☑  | Student Access Code | Don't have it yet? If your new textbook was not bundled with a Student Access Code, you need to:  
   - Go to your campus bookstore to buy the standalone Student Access Kit (kit contains access code card and instructions) for your textbook  
   - Purchase online access now using a credit card: AMEX, VISA, MASTERCARD |

What steps do I take next?

In order to register, you will need to use this Course ID: – delong25534

1) Go to www.coursecompass.com. For an audio tour on how to register, click on ‘Take a Tour’, and select the ‘Register and enroll in a course with a code’ tour.

2) Click on the Students ‘Register’ button.

3) Enter your six-word access code found inside your student access kit, under the tab.

4) Register only ONCE using the access code in your kit. You will create your own Login Name and Password. After registration you'll receive a confirmation email.

5) After you've registered: Login at http://coursecompass.com (bookmark this URL), using the Login name and Password you have just created.

6) From the “Welcome page” click on your course, then choose the “Installation Wizard” link to check that your computer has the required set-up and plug-ins. The MathXL player must be installed for you to work exercises within the tutorial, homework, and tests.

7) For help on entering answers, go to the audio tour: http://www.mymathlab.com/tours.html and click on the How to Enter Answers Using the MathXL Player link.

* If you have questions or need assistance call tech support at 1 800 677 6337
## Course Calendar for
DMAT 0310 ~ Sections 63431 & 93424
Spring 2015 Fast Track
Homework & Tests Schedule

<table>
<thead>
<tr>
<th>Activity</th>
<th>Due Date</th>
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<tbody>
<tr>
<td><strong>Access MyMathLab</strong></td>
<td><strong>Tue Jan 20 - Wed Jan 21</strong></td>
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<tr>
<td><strong>Homework:</strong></td>
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<tr>
<td>Section 6.1</td>
<td>Thu Jan 22</td>
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<tr>
<td>Section 6.2</td>
<td>Fri Jan 23</td>
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<tr>
<td>Section 6.3</td>
<td>Mon Jan 26</td>
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<tr>
<td>Section 6.4</td>
<td>Wed Jan 28</td>
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<tr>
<td>Section 6.6</td>
<td>Fri Jan 30</td>
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<tr>
<td><strong>Test 1</strong></td>
<td><strong>Mon Feb 2</strong></td>
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<tr>
<td><strong>Homework:</strong></td>
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<tr>
<td>Section 6.7</td>
<td>Tue Feb 3</td>
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<tr>
<td>Section 7.1</td>
<td>Wed Feb 4</td>
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<tr>
<td>Section 7.2</td>
<td>Fri Feb 6</td>
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<tr>
<td>Section 7.3</td>
<td>Mon Feb 9</td>
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<tr>
<td>Section 7.4</td>
<td>Wed Feb 11</td>
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<tr>
<td><strong>Test 2</strong></td>
<td><strong>Fri Feb 13</strong></td>
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<td><strong>Homework:</strong></td>
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<tr>
<td>Section 9.1</td>
<td>Mon Feb 16</td>
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<tr>
<td>Section 9.2</td>
<td>Wed Feb 18</td>
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<tr>
<td>Section 10.1</td>
<td>Fri Feb 20</td>
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<td>Mon Feb 23</td>
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<td>Section 10.3</td>
<td>Wed Feb 25</td>
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<td>Section 10.4</td>
<td>Fri Feb 27</td>
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<tr>
<td><strong>Test 3</strong></td>
<td><strong>Mon Mar 2</strong></td>
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<td><strong>Homework:</strong></td>
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<td>Section 10.5</td>
<td>Wed Mar 4</td>
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<td>Section 11.3</td>
<td>Tue Mar 17</td>
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<tr>
<td><strong>Test 4</strong></td>
<td><strong>Thu Mar 19</strong></td>
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