DMAT 0310 ONLINE COURSE SYLLABUS
INTERMEDIATE ALGEBRA
Spring 2015 Section 23420/93407 (8 Weeks)
(January 20-March 20)
Instructor: Mary Jackson
Office Location: Brookhaven College Room K143
Campus Office Hours: MW 11:00am – NOON and TR 9:30am - 11:00am
Virtual Office Hour by appointment only
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Lial, Hornsby, McGinnis
ISBN: 9780321715418

SOFTWARE: MyMathLab, CourseCompass Interactive math software is required for participation in this course. All homework, quizzes, tests, and comprehensive final exam will be given within MyMathLab. http://www.coursecompass.com. You may purchase a MyMathLab access code with the e-book online. The course ID is jackson78644

*NOTE: purchase of a MyMathLab access code is required! It is not optional. You may obtain a temporary code, good for 14 days. You must purchase a permanent code before your 14 days runs out.

Prerequisite:
An appropriate assessment test score or DMAT 0305.

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. (3 Lec.)
DMAT 0310 is the prerequisite for MATH 1414 and MATH 1324.

COURSE OBJECTIVES (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.
The following is an outline for the assessment breakdown for DMAT 0310, followed by chapters and sections:

**8 Quizzes**
- Quiz #1 (2.5 – 2.7)
- Quiz #2 (3.1 – 3.6)
- Quiz #3 (7.1 – 7.3)
- Quiz #4 (7.4 – 7.5)
- Quiz #5 (8.1 – 8.4)
- Quiz #6 (8.5 – 8.7)
- Quiz #7 (9.1 – 9.4)
- Quiz #8 (9.5 – 9.6)

**4 Exams**
- Exam #1 (Chapter 2 & 3)
- Exam #2 (Chapter 7)
- Exam #3 (Chapter 8)
- Exam #4 (Chapter 9)
COURSE MATERIALS
In this course, we will use a software program called MyMathLab that will be assessed via the Internet. You will use this program to complete all required homework, quizzes, take tests and the final exam.
MyMathLab is an interactive website where you can:
- Self-test to improve your math skills.
- Study more efficiently.
- Get help when you need it. Includes multimedia learning aids like videos and animations.
- Talk to a live tutor via a toll free number.

HARDWARE/SOFTWARE REQUIREMENTS FOR MY MATH LAB:
- **Personal Computer** 233 MHz Pentium® Processor (or compatible)
- **Operating System:** Windows 98, ME, XP, 2000, NT 4.0
- **Web Browser:** Microsoft® Internet Explorer 6 or Netscape™ Navigator 5.75 or higher. Please note AOL Users cannot access MyMathLab using the America Online® browser. However, you can log in to AOL® and then open a supported browser (for example, Internet Explorer) to access MyMathLab.
- **Internet Connection:** Cable/DSL, T1, or higher other high-speed (for multimedia content); 56K modem (minimum) for tutorials, homework, and testing.
- **Memory:** 64 MB RAM
- **Monitor resolution:** 1024 x 768 or higher
- **Plug-ins:** You need plug-ins and players, such as Adobe® Acrobat® Reader and RealPlayer®, to use the multimedia content inside your course.

If you experience technical problems while using MyMathLab, you may contact Technical Support at (800) 677-6337, Monday – Friday 6am – 7pm CST and Sunday 3pm – 10pm.

Other materials you will need for the course:
You will be allowed to use a calculator on all homework assignments, quizzes, tests, and the Final Exam. You may use any calculator (TI 84+ is recommended) with the exception of the TI-NSpire, TI-89 or TI-92. The software used for the course has a built in calculator, expression editor and grapher, however, you will want your own calculator when taking exams, and so it’s best to practice on the calculator you will use for the test.

CONTACTING YOUR INSTRUCTOR
Please make sure that you have updated your email address in eConnect and MyMathLab. I will periodically send out group emails to the class and will use one of these systems. Your main communication with your instructor will be via email. To ensure that you receive a prompt response, when emailing your instructor, please be sure to include your name somewhere in the body of the email, and write the course for which you are enrolled (DMAT 0310) and the section number (23420 or 93407) in the subject line of all email correspondences. I should respond to your email within 24 hours Monday through Thursday. If I don’t respond to your email within 48 hours (Monday – Thursday) then please call my office number (972-860-4761) and leave a message. Emails sent on Friday, Saturday, or Sunday will be answered by Monday of the following week at the latest. If you would like to set up a virtual office hour for when we both agree to be online through email, just send me an email at mjackson@dcccd.edu. I don’t usually check emails after about 8pm (I’m winding down) or prior to about noon, Monday through Thursday (I’m in class). Fridays are pretty open, except for meetings. Weekends I will check emails about once a day.
ATTENDANCE/PARTICIPATION
Attendance is an important part of your success. Although you will not receive a formal grade for attendance it will be very difficult to complete the course successfully without viewing the section videos. Viewing these videos is the equivalent to going to class. You should not try to complete the homework without viewing the videos first.

You are expected to watch all section video presentations under the course menu on the left button “Multimedia Library” in the MyMathLab classroom. This takes the place of going to class in a traditional course. The videos contain instruction on each objective that is to be covered in the course. If you don’t watch the videos it is equivalent to not coming to class.

DROP/Withdrawal POLICY: Withdrawing from a course is a formal procedure which YOU must initiate; the instructor cannot do it for you. You may withdraw from a class in either the Admissions office or Advising Center. If you stop attending or are unable to complete this class and you do not withdraw before the official drop date, February 28, 2015, you will receive a performance grade, usually a grade of “F.” Students sometimes drop a class when help is available that would enable them to continue. Please discuss your plans with the instructor if you feel you need to withdraw. https://www1.dcccd.edu/catalog/ss/oep/dw.cfm?use_nav=acad_info&loc=econ

STOP BEFORE YOU DROP
For students who enroll in college level courses for the first time in the fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your college counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated six non-exempt drops, you cannot drop any other courses with a “W.” Therefore, please exercise caution when dropping courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges. https://www1.dcccd.edu/coursedrops

FINANCIAL AID STATEMENT: Failure to attend classes could result in a loss of Financial Aid (FA). If you are receiving Financial Aid grants or loans and are enrolled in a Distance Learning class, you must show participation in this class prior to the certification date (January 27, 2015) by officially registering at the Course Compass website (www.coursecompass.com). If you are receiving any form of financial aid, you should check with the Financial Aid Office prior to withdrawing from classes. Withdrawals may affect your eligibility to receive further aid and could cause you to be in a position of repayment for the current semester. Students who fail to attend or participate after the drop date are also subject to this policy.

INTERNATIONAL STUDENTS: Students on an F-1 visa cannot withdraw from classes without jeopardizing their official status. If you are on an F-1 visa, you MUST NOT withdraw from any class without the permission of an International Student Advisor in the Multicultural Center, in Room S-136 or at 972-860-4192.

RELIGIOUS HOLIDAYS: A student shall be excused from attending classes, or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this provision may not be penalized for that absence and shall be allowed to take an examination or complete an assignment within a reasonable time after the absence.

1-12-15
**ADA STATEMENT:** If you feel you may need special assistance or accommodation (such as help with taking notes, extra time on tests, etc.) because of any type of physical disability or learning difference, please contact the Disability Support Services office in Room S136 or at 972-860-4673. bhcADAservices@dcccd.edu

**ACADEMIC INTEGRITY:** Scholastic dishonesty is a violation of the Student Code of Conduct and is punishable as stated in college policies. Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism, and collusion. The purpose of the Student Code of Conduct is to provide guidelines for the educational environment of the Dallas County Community College District. This environment views students in a holistic manner, encouraging and inviting them to learn and grow independently. Such an environment presupposes both rights and responsibilities. For more information, refer to the DCCCD Student Code of Conduct (https://www1.dcccd.edu/catalog/ss/code.cfm).

*We, the Math Department of BHC, take issues of dishonesty very seriously. If a student is caught violating any policy of the Testing Center, or an instructor’s own policy for their particular class, the following consequences will be enforced: The minimum penalty a student will receive is a zero for the assignment/exam and the maximum penalty will be to receive an F for the course and/or academic suspension.*

As with any online course, you are expected to do your own work. By starting the work in this course you are agreeing to follow the honor system. Any indication that you are being dishonest will result in taking your tests at the Brookhaven College Testing Center, receiving an F for the course and/or academic suspension. This is at the instructor’s discretion.

**REPEATING THIS COURSE:** Each college of the DCCCD charges additional tuition to students registering the third or subsequent time for a course. All third and subsequent attempts of the majority of credit and continuing education/workforce training courses will result in additional tuition being charged. Developmental Studies and some other courses will not be charged a higher tuition rate. Third attempts included courses taken at any of the DCCCD colleges since the Fall 2002 semester. https://www1.dcccd.edu/catalog/ss/oep/third_attempt.cfm?loc=econ

**ANNOUNCEMENTS**
Announcements will be posted regularly by the instructor. All students are responsible for checking announcements that will be posted on the Announcements page in the MyMathLab classroom. These announcements may contain review material, reminders, updates, and other important information that you will find necessary and useful for the course.
GOING TO CLASS: VIEWING LESSONS AND COMPLETING ASSIGNMENTS
The class will work in the following way.

1. **GO TO CLASS.** Under the Course Menu, you will find a button entitled, “Multimedia Library.” You will find the lesson videos, the multimedia textbook, the animation, and the power point.

   **STEP 1:** Read the appropriate section multimedia textbook. The multimedia textbook will have several icons available to you. There is a “Solution Video Clip” icon, a “You Try It”, and an “Animation” icon. The “Solution Video Clip” icon will explain the solution of the problem to you, the “You Try It” icon will allow you to work corresponding problems as you move along, and the “Animation” icon will present that portion of the lesson in animated form. Use the “You Try It” and “Animation” icons regularly. They will help you to get a good understanding of the material before you attempt the homework.

   **STEP 2:** You MUST watch the section video lecture for that section.

   **STEP 3:** Do the assigned homework under the button “Homework”. I highly recommend that you achieve a score of 70% or better on each homework assignment before you move on to the next assignment. Achieving this score will ensure that you have mastered enough of the material to understand and do well on the next section. The homework will remain open until Wednesday, March 18, 2015 at 11:59pm and you can improve your grade on it, even after the deadline for that particular section.

2. **TAKE THE QUIZZES.** Click on the “Quizzes & Tests” button. There are 8 quizzes spread throughout the semester. These must be taken by their deadlines posted in MyMathLab. **You have 60 minutes to do the quiz and you have 2 attempts for each quiz.**

3. **TAKE THE ONLINE TEST.** Click on the button “Quizzes & Tests” on the course menu. You will select the current test that you will be taking. **You have 180 minutes to take your test in one attempt. You are not allowed to get in and out of your test (you cannot access any other screens – ebook, homework, etc.) while you are taking the test. No make-up tests and no extensions on deadlines will be given, a missed test is a zero grade. It is your responsibility to have a reliable computer with a reliable browser and all the proper plug-ins. No make-up tests will be given for lost Internet connections or crashed computers!**

4. **TAKE THE ONLINE FINAL EXAM.** The final exam is a 35-question comprehensive final exam and you have 240 minutes to take your final exam in one sitting. **Same rules apply as for the tests.**
HELP AND AVAILABLE RESOURCES:
1. MyMathLab includes FREE access to the Pearson Tutor Center. Just call toll free (800)435-4084, Sunday to Thursday 5PM – 12AM Eastern Time.

2. Brookhaven College has a Math Lab that offers free assistance and other resources to students enrolled in this course. The lab is equipped with computers and Internet access so that lessons can be viewed and homework can be done in the lab. You should not depend on the lab entirely to complete work for this course, you should have your own personal computer with the appropriate Internet access. However, the Math Lab is available if you experience temporary technical problems with your personal computer, or you are on campus and would like to get some of your work done. The Lab is located in K137. It is usually open from 9:00am – 7pm M-R, 10:00am – 2pm on Friday, and 12:00pm-4:00pm Saturday. Check the hours on the door. Park on the west side of campus.

EVALUATION PROCEDURES

Four tests and a comprehensive departmental final examination will be given. Tests 1, 2, 3, and 4 will each count 15% of the performance grade. The Final Exam will count 20% of the performance grade. The Final Exam grade can replace your lowest test score (for Tests 1, 2, or 3). The grade on Test 4 (Chapter 9) cannot be replaced. “Online MyMathLab Homework” and “Online MyMathLab Quiz” will each count 10% of the performance grade.

The scale used to determine the final course grade is:

- 90 to 100 A
- 80 to 89 B
- 70 to 79 C
- 0 to 69 F

GRADE REPORTS: Final grade reports are not mailed to students. You may obtain your final grades online at https://econnect.dcccd.edu/. From the student menu, select “My Grades” under “My Personal Information.” If you are not already logged in, you will be prompted to do so. Select the grade type you wish to review. Press the submit button and all grades for the selected grade type will be displayed.

TI Graphing calculator required. TI-84 PLUS calculator recommended. NO TI-89 OR TI-92 OR TI-NSPIRE.

Incomplete grades are given when unforeseen emergency prevents a student from completing the work in a course. The division Dean must approve all “I” grades.

FERPA: The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. More information is available at https://www1.dcccd.edu/catalog/about/privacy.cfm
INSTRUCTOR’S RIGHT TO MODIFY: The instructor has the right to add, delete, or revise segments of this course syllabus.

IMPORTANT DATES:

January 19(M)          Martin Luther King, Jr Holiday
January 20(T)          Classes Begin
January 27(T)          Certification Day
February 28 (S)        Last Day to Withdraw
March 9-13(M-F)        Spring Break- College buildings & offices will be closed for the week.
March19-20             Final Exam
March 20 (F)           Semester Ends

1-12-15
COURSE SCHEDULE

This course starts on January 20, 2015 and ends on March 20, 2015. The last day to drop this course with a “W” is Saturday, February 28, 2015.

The following is a timeline for the course. Although this is an online course, you are allowed to work somewhat at your own pace. The following course calendar has been created to help you finish the course. These deadlines must be followed very closely. No extensions will be given. All homework, quizzes, and tests may be taken on or before the required date. The Final Exam will not be open until March 19-20, 2015. Quizzes and tests will not be accepted after the given deadline. All homework, quizzes, tests and final exam are due on the due date by 11:59 pm. All quizzes, tests and final exam are timed and must be completed in one sitting once they are started. You cannot save and return.

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<thead>
<tr>
<th>DAY</th>
<th>TOPIC[S] COVERED</th>
<th>ASSIGNMENTS DUE</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>1/20/15 Buy MyMathLab and get all plug-ins set up READ syllabus</td>
<td>Must be registered on MyMathLab and email instructor by Friday, 1/23/15</td>
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<td>2.5: Linear Inequalities in One Variable 2.6: Set Operations &amp; Compound Inequalities 2.7: Absolute Value Equations &amp; Inequalities</td>
<td>MML Orientation &amp; Ch 2 homework due by Saturday, 1/24/15</td>
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<td>Take Quiz 1 (2.5, 2.6, 2.7) by Sunday, 1/25/15</td>
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<td>Week 2</td>
<td>1/26/15 3.1, 3.2, 3.3: Review Linear Equations in Two Variables 3.4: Linear Inequalities in Two Variables 3.5: Intro to relations &amp; Functions 3.6: Function Notation &amp; Linear Functions</td>
<td>Ch 3 homework due by Friday, 1/30/15</td>
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<td>Take Quiz 2 (3.1, 3.2, 3.3, 3.4, 3.5, 3.6) by Saturday, 1/31/15</td>
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<td>Take Test 1 (Ch 2 &amp; 3) by Sunday, 2/1/15</td>
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<td>Week 3</td>
<td>2/2/15 6.1-6.2: Basic Factoring Review 6.3-6.4: Special Factoring Review 7.1: Rational Expressions &amp; Functions; multiplying &amp; Dividing 7.2: Adding &amp; Subtracting Rational Expressions 7.3: Complex Fractions</td>
<td>Ch 6 homework due by Saturday, 2/7/15</td>
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<td>7.1, 7.2, 7.3 homework due by Saturday, 2/7/15</td>
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<td>Take Quiz 3 (7.1, 7.2, 7.3) by Sunday, 2/8/15</td>
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<td>Week 4</td>
<td>2/9/15 7.4: Rational equations 7.5: Applications of Rational Expressions 8.1: Radical Expressions (omit graphing) 8.2: Rational Exponents</td>
<td>7.4, 7.5 homework due Thursday, 2/12/15</td>
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<td>Take Quiz 4 (7.4, 7.5) by Friday, 2/13/15</td>
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<td>Take Test 2 (Ch 7) by Saturday, 2/14/15</td>
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<td>8.1, 8.2 homework due by Sunday, 2/15/15</td>
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<td>Week 5</td>
<td>2/16/15 8.3: Simplifying Radical expressions 8.4: Adding &amp; Subtracting Radical Expressions 8.5: Multiplying &amp; Dividing Radical Expressions 8.6: Solving Equations with Radicals 8.7: Complex Numbers</td>
<td>8.3, 8.4 homework due by Thursday, 2/19/15</td>
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<td>Take Quiz 5 (8.1, 8.2, 8.3, 8.4) by Friday, 2/20/15</td>
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<td>8.5, 8.6, 8.7 homework due by Saturday, 2/21/15</td>
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<td>Take Quiz 6 (8.5, 8.6, 8.7) by Sunday, 2/22/15</td>
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<td>Week 6</td>
<td>2/23/15</td>
<td>9.1: Square Root Property only</td>
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<td>9.3: Equations Quadratic in Form</td>
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<td>9.4: Formulas and Further Applications</td>
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<td>Week 7</td>
<td>3/2/15</td>
<td>9.5: Graphs of Quadratic Functions</td>
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<td>9.6: More about Parabolas &amp; their Applications (omit horizontal parabolas)</td>
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<td>3/9-3/13</td>
<td>Spring Break</td>
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<td>Week 8</td>
<td>3/16/15</td>
<td>Final Exam Review</td>
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