MATH 152B COURSE SYLLABUS FOR MATH 152B-4
SPRING, 2013

Instructor: Audrey Morrow

 Course ID: morrow16269

Course Website: for turning in all homework: www.mymathlab.com   For assistance call 800-677-6337 or for online help 24/7.

 My Contact:

Phone: 541-4660 Extension 573

Email: ajmorrow@mail.ltcc.edu, or ammathtype@earthlink.net (home)

Home Phone: 577-4141

Class meets: Tuesday & Thursday evenings, 6pm – 8pm in Room A213

Textbook: "Beginning and Intermediate Algebra" 5th Edition, Martin-Gay.

Course description: Math 152B builds on what you learned in math 152A. Students will learn to factor (reverse multiplication) polynomials, solve 2nd degree equations, and simplify rational expressions.   Additional topics will include problem-solving with radicals, absolute value and inequalities.

Prerequisites: Math I 52A with a grade of 'C' or better, or equivalent skills

demonstrated on the math assessment exam.

Calculators: Calculators are not permitted in Math 152B.

GENERAL INFORMATION ABOUT TAKING A MATH

COURSE AT LTCC:

1) Required software license: The student is required to have a software license in order to use the online part of this class. You may choose whether to buy the online version of the text, or the slightly more expensive hardback copy. For most students the success rate will be higher if you purchase your own hard copy of the text.   This gives you two ways to purchase the software license: You may buy our textbook from the bookstore, and pay an additional $5 or so for the license. Or the license can be obtained online from Pearson.

2) Items you'll need to bring to class with you in addition to the book: Lined notebook paper for daily note-taking; Several different colors of pencil will help you in making your graphs more clear and pleasing. A yellow or light-green highlighter may be helpful also in notating your handouts, marking useful portions of your text, and highlighting your class notes.

 3) Math 152B students must register twice. You'll register once through LTCC when you pay your tuition. Deadline for Webreg is midnight on Tuesday, April 9th. You'll also need to register for the homework part of the class (about 20% of your grade) on MyMathLab. The deadline for this is April 16.

 4) Your attendance in this class is important. Attendance and participation are part of your grade. You questions and general input will help others who are having similar difficulties, and will create a less formal classroom ambience which puts other students at ease. Please attend. We need you!

!!!GRADING!!!

First, take a minute to note my make-up policy: Quizzes are unannounced. There is no makeup for quizzes. You may make up one exam under the following conditions:

1)Let me know before the exam that you will be unable to take it with the rest of the class. You may use 541-4660 extension *573* for this, or email me.

2) There is a 10% penalty for taking the exam late. You will have until the start of the following class to turn in a completed exam.

3) Late exams are proctored in the Learning Assistance Center, Ext. 740. You'll be expected to furnish a photo ID before taking the test. Be sure to call ahead to check on their hours in order to give yourself enough time.If you know that you need to take an exam early, please see me at least two weeks in advance and we can make an arrangement.

4) Learning disabled students: If you have a certified learning disability that may affect your performance, please see me so that I can make sure your needs are met. If you think that you may have a disability but have not yet been tested, you may inquire about this at the Disability Resource Center Extension 249.

GRADING POLICY

During the quarter, students will take several exams including the fmal, several quizzes, and complete **19 or 20** homework assignments. If you are still enrolled on Monday 5/27, you'll receive a letter grade for Math 152B. Your course grade is structured as follows:

<u>Midterms <u>+ Final exam</u></u>: 80% of your course grade. You will be able to look online at any given time to see where you stand, gradewise, in the course. Also, if it isn't clear, please don't hesitate to ask me.
<u>Combined homework <u>and quiz</u> scores</u>: 10% of your course grade.
<u>Attendance, participation and conduct</u>: 10% of your course grade.

A course grade of' 'F's usually reserved for students who drop out without informing A&R. Each time I return a test or quiz to you, I'll circle a letter at the top to represent what your course grade looks like at the present time.

With only four letters at the instructor's disposal, many students end up evenly positioned between two **letter grades at the end of the class. For example, pointwise it would be equally fair and appropriate for you to**

receive the C as the B. <u>When this happens, <u>your attendance and conduct</u> <u>play <u>a part</u> in your <u>final course grade</u></u>. Responsible behavior will net you **the higher course grade. Attend class regularly. Be courteous and respectful of those around you This means arriving in class on time or early; avoid chit-chatting with your neighbors. Make sure your cellphone is turned off at all times when class is in session. Your presence and participation in the class are the foundation of your learning experience, and your building of new skills.**

STUDENT LEARNING OBJECTIVES: In this class you will learn how to solve linear equations and inequalities; use and understand terminology relating to polynomials in one variable; graph linear equations; manipulate expressions with one or more exponents; apply course methods to "real-world" situations.

HABITS THAT CONTRIBUTE TO ACADEMIC SUCCESS

1) Attend every lecture if you possibly **can.** Sit where you won't be distracted, and where you can see and hear what's going on in class.

2) Take notes, working along in class and keeping a glossary of unfamiliar terms. Graph along with the class on the days where graphing is scheduled.

3) Do all assigned reading *before class,* so that you can bring up points in class that you found confusing. Work the example problems as part of your reading.
4) Work all of your homework problems. Make sure you know the due date and time for each assignment!

5) Ask questions in class. If you are having trouble understanding a concept the chances are good that other students are experiencing the same problem. Your questions will help clarify an exercise for yourself and will help others. 012

6) Come to me with questions about how to improve your grade in Math 152B!

MATH 152B SCHEDULE OF TOPICS, HOMEWORK DUE-DATES, AND EXAM DATES. SPRING QUARTER, 2013.

Instructor Audrey Morrow
Current Course-code for Homework: morrow16269 Important: You will need to register online, using this code, in order to be fully enrolled in class.

April 9th: : Welcome to Beginning Algebra, Part 2. Discuss syllabus. Cover Sections 4.1 and 4.2, Solving systems of linear equations using graphing or substitution. Homework in these sections is due on 4/14. Read 4.1-4.3 and 6.1 for Thursday.

April 11th: Begin class with questions on earlier material. Cover 4.3 and 6.1, Solving linear equations using addition; and factoring with grouping, or the "AC" test. Homework in 4.3 is due on 4/14. 6.1 HW is due on 4/21. Read 6.2 and 6.3 for Tuesday.

April 16th: Cover 6.2; begin 6.3. Factoring trinomials, reverse multiplication using grouping or the 'AC' test. I'll give a short, 45-minute exam on Chapter 4 topics. 6.2 & 6.2 are due on 4/21.

April 18th: Finish 6.3, cover 6.4 & 6.5, Further factoring of trinomials. Chapter 6.4 Homework is due on 4/21. 6.5 is due 4/28. Read 6.6 & 6.7 for next time.

April 23rd: Cover 6.6 & 6.7, Applications involving factoring and general review. 6.6 & 6.7 are due on 4/28. Read 7.1 and 7.2 for Thursday

April 25th: Cover 7.1 and 7.2, Rational expressions or fractions. Homework is due on May 5th.   Read 7.3 and 7.4 for next time.

April 30th : General review of Chapter 6, covering all seven sections. Bring your questions to class!

May 2nd: Test on Chapter 6. You'll be given the entire period for the test, and you may leave when you are finished. Read 7.3 and 7.4 for Tuesday.

unlike denominators. Homework due on 2/10. Read 7.5 & 7.6 for class next time.

February 11th : Cover 7.5 and 7.6, Rational equations, and proportions. Read 7.7 & 10.1 for

Monday. Homework in 7.5 and 7.6 are due on 2/15.

February 13th : Cover 7.7, complex fractions, and 10.1 Radicals (square roots, cube roots).

Your 7.7 homework is due on 2/22. 10.1 is due on 2/28

February 18th: Holiday, college is closed.

February 20th: Review for test on Chapter 7. Review assignment will be given in class.

February 25th: Test on Chapter 7, you'll have the whole period. Read 10.2 and 10.3 for

Wednesday.

February 27th : Cover 10.2 and 10.3, Simplifying radicals; Rational (or fractional) exponents.

Read 10.4 & 10.5 for Monday. Homework due on 3/3.

March 4th : Cover 10.4 & 10.5, Using the operations with radicals; Rationalizing the

denominator. 10.4 homework is due on 3/7. 10.5 is due on 3/10. Read 10.6 & 10.7 for

Wednesday.

March 6th : Cover 10.6 & 10.7, Radical equations, Complex numbers (i). 10.6 homework is

due on 3/10; 10.7 is due on 3/13. Practice problems in all of Chapter 10 to prepare for the

review next time.

March 11th: Review for Chapter 10 test on 10.1 – 10.7 next time. You'll have the whole

period.

March 13th: Chapter 10 exam. Read 11.1 and 11.2 for Monday.

March 18th : Cover 11.1 and 11.2, Completing the square and the quadratic formula. Your

homework in these sections is due on 3/24. Read 9.3 & 9.4 for Wednesday.

March 20th: Cover 9.3 & 9.4, Absolute value inequalities, Linear inequalities. Homework is

due on 3/26. This concludes the material we cover in Math 152B.

November 28th : Review for final exam on Monday, 12/3. Topics are cumulative. Bring your

questions to class, along with your graded exams and quizzes.
December 3rd : Cumulative final exam, Room E106 2:00 – 3:50 PM