

MAT 152A

Basic Algebra (Part I)

Spring 2014

Instructor: Wynn Walker, phone: 541-4660x728, email: wlwalker326@gmail.com

Office Hours: Mon, Wed. 2:00-3:00, Tues, Thurs. 4:00-5:30 or by appointment.

Class Time and Location: Mon. & Wed. 9:00 – 10:50, G5

Textbook (Optional): Beginning and Intermediate Algebra, 5th Edition, 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: **walker15199**

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

Course Description: This course is designed as an introduction to algebra. Topics covered include the four basic operations with positive and negative numbers and with polynomials, solving and graphing linear equations, an introduction to functions and sets, and properties of integral exponents.

Prerequisite: MAT 187B with a grade of “C” or better or equivalent or appropriate skills demonstrated through the math assessment process.

Calculators: Calculators are not allowed in MAT 152A.

Student Learning Outcomes:

1. Solve linear equations and inequalities.
2. Define and employ terminology and arithmetic relating to polynomials in one variable.
3. Determine the equation and graph a line given information about the line.
4. Manipulate expressions with integral exponents.
5. Apply course topics to real-world situations.

Course Grade: Your final letter grade will be based on the usual grading scale:

A 90-100%, B 80-89%, C 70-79%, D 60-69%, F 0-59%

The following items will make up the course grade:

Homework:	20%
Quizzes:	15%
Exam1	15%
Exam2	15%
Exam3	15%
Final Exam:	20%

You may check your grades at any point in the quarter by accessing the grade book on Course Compass.

Homework: Homework is to be completed online with MyMathLab. Each section covered will have a homework assignment. The homework assignments will be due at midnight on Sunday nights. However, it is NOT RECOMMENDED that you wait until that time to work on the homework. The homework assignments are your chance to practice the material covered in class. It is YOUR responsibility to make sure you are getting the information from each section. At the beginning of class, I will go over homework questions from the previous day's material. Other questions will be addressed outside of class or in office hours. The class will be given daily reminders regarding homework, so there will be no excuse for forgetting about them.

Quizzes: Each week you will be required to take a quiz on MyMathLab. The quizzes are designed to help you prepare for exams, and will be made up of problems that are very similar to the problems from your homework assignments. The quizzes may be taken as often as you would like before the due date/time. Because of this, there will be no make-up quizzes.

Exams: Students are to bring a pencil and blank scratch paper to each exam. If you cannot make it to an exam (final not included), you may take it up to 2 school days prior to the scheduled date with proper arrangements. Otherwise, the exam may be made up after the scheduled date with a penalty of 10% per day. The final exam may not be taken after the scheduled exam time.

Academic Dishonesty: Academic dishonesty of any form will not be tolerated. Students caught cheating on exams will receive a score of zero on the assignment and the dropping of lowest quiz score will be forfeit. Students may work together on homework assignments (and, in fact, are encouraged to) as long as all students understand the material covered.

How to Succeed in a Math Class: I am often asked how to successfully pass a math class, and here is my advice:

- I) Come to every class session. Be prepared, and plan on participating.
- II) Do your homework. Remember that what I assign is what I consider a bare minimum. If you need more practice, do it. Don't make me be a homework enforcer.
- III) Read the book. You paid good money for it, so you might as well use it.

IV) Make use of available tutors and my office hours. You will find tutors who know the subject matter in this course at the Math Success Center (MSC).

V) Do math every day. Math is just like everything else: if you don't practice, you become rusty.

Technology in the Classroom: All cell phones, headphones, MP3 players, iPods, etc, must be turned off and put away prior to the start of each class. No electronic devices may be used during exams.

Learning Disabled Students: Students with disabilities who may need accommodations for this class are encouraged to notify me and contact the Disability Resource Center (DRC) early in the quarter so that reasonable accommodations may be implemented as soon as possible. Students may contact the DRC by visiting the Center (located in room A205) or by phoning 541-4660, ext. 249 (voice) or 542-1870 (TTY for deaf students). All information will remain confidential.

Course Schedule:

The following is a tentative schedule. If things change (and I have money that says they will), I will let you know.

April

7 1.2, 1.3 Introductions, Real Numbers, Fractions

14 1.4, 1.5 Algebraic Expressions and Addition of Real Numbers

Online homework for sections 1.2, 1.3, 1.4, and 1.5 due April 13th 11:59PM

16 1.6, 1.7 Subtraction, Multiplication, and Division of Real Numbers

18 1.8, 2.1 Properties of the Real Numbers and Their Uses

Online homework for sections 1.6, 1.7, 1.8, and 2.1 and online quiz 1 due April 20th 11:59PM

21 2.2, 2.3 Properties of Equality and Solving Linear Equations

23 2.4, Review Problem Solving

Online homework for sections 2.2 and 2.3, 2.4 due April 27th 11:59PM

28 **Exam I**

30 2.5, 2.6 Applications of Algebra

May

Online homework for sections 2.5, 2.6 and online quiz 2 due May 4th 11:59PM

5 2.7, 2.8 More Applications of Equations, Solving Linear Inequalities

7 3.1, 3.2 Rectangular Coordinate System and Graphing Lines

Online homework for sections 2.7 and 2.8, 3.1, and 3.2 due May 11th 11:59PM

12 3.3, 3.4 Intercepts and Slopes of Lines

14 3.5, Review Equations of Lines

Online homework for sections 3.3, 3.4, and 3.5 and online quiz 3 due May 18th 11:59PM

19 **Exam II**

21 3.6 Functions, Linear Inequalities of Two Variables

Online homework for section 3.6 due May 25th 11:59PM

26 Memorial Day Holiday

28 5.1, 5.2 Exponents and Polynomials

Online homework for sections 5.1, 5.2, due June 1st 11:59PM

June

2 5.3, 5.4 Multiplying Polynomials

4 5.5, 5.6 Negative Exponents and Scientific Notation, Dividing Polynomials

Online homework for sections 5.3, 5.4, 5.5, 5.6 due June 8th 11:59PM

9 9.1, review Compound Inequalities, Review for exam 3

11 **Exam III covers 3.6, 5.1-5.6**

Online homework for sections 9.1 and quiz 4 due June 15th 11:59PM

16 9.2 Absolute Value Equations

18 Review for final exam

Online homework for section 9.2 due June 22nd 11:59PM

25 **Final Exam** **The final is from 10:00 - 11:50 AM.**

NOTE THE DIFFERENT TIME