MAT 154A Section 2

Intermediate Algebra

Fall 2014

Instructor: Wynn Walker, phone: 541-4660x728,
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Office Hours: Math Success Center

Monday and Wednesday	9:45 AM - 10:45 AM and 1:30 PM - 2:00 PM
Tuesday and Thursday	11:45 AM - 12:45 PM

And by appointment.

Class Time and Location: Tues & Thurs. 1:00 – 2:50 PM, D108

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 pearsonmylabandmastering.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 or Math 152B for this textbook, you may also use it for this class at no extra cost.

To access our class page, go to pearsonmylabandmastering.com and register using your student access code and the course ID for this class: **walker64683**

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 quizzes and exams.

Course Description: MAT 154A is a continuation of MAT 152B and covers functions and inverses, exponential and logarithmic functions, sequences and series, and conic sections, quadratic equations, and systems of quadratic equations.

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

process.

Student Learning Objectives:

1. Apply the course topics to real-world situations.

2. Sketch and interpret the graphs of functions and relations introduced in intermediate algebra.

3. Simplify mathematical expressions into forms more amenable to analysis.

4. Provide solutions to equations using methods from intermediate algebra.

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:	15%
Quizzes:	20%
Exam1 (October 14)	15%
Exam2 (November 4):	15%
Exam3 (November 25)	15%
Final Exam (December 11):	20%

Homework: Homework is to be completed online with MyMathLab. Each section covered will have a homework assignment. The homework assignments will be due at 11:59 PM on Monday 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.

Quizzes: There will be five online quizzes on MyMathLab with due dates specified on the syllabus. 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.

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.

Registration Information: You may drop the class with no penalty or mark on your record on or before October 17. After October 17, you may drop the class and receive a grade of W

until November 7. After November 7, if still enrolled, you will receive a grade of A, B, C, D, F or I.

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.

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.

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 (other than calculators) may be used during quizzes and exams.

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. MyMathLab has dozens of extra problems for each section as well as sample chapter exams.

III) Read the book.

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.

Course Schedule:

The following is a tentative schedule. If things change (it is very likely), I will let you know.

September

23 4.4 Introductions, Systems of Linear Equations in 3 Variables

25 3.6, 8.2 Functions and Their Graphs

Homework 4.4, 3.6, 8.2 due Sept. 29 11:59 PM

30 8.3 Transformations of Functions

October

2 11.3 Using Quadratic Methods to Solve Equations

Homework 8.3, 11.3, Online Quiz 1 due Oct. 6 11:59 PM

7	11.4	Quadratic and Rational Inequalities
9	11.5, 11.6	Graphs of Quadratic Functions

Homework 11.4, 11.5, 11.6, Online Quiz 2 due Oct. 13 11:59 PM

14	**Exam I**	
16	12.1	Function Algebra

Homework 12.1 due Oct. 20 11:59 PM

21	12.2	Inverse Functions
23	12.3, 12.4	Exponential Functions

Homework 12.2, 12.3, 12.4 due Oct. 27 11:59 PM

28	12.5	Logarithmic Functions
30	12.6, 12.7	Properties and Bases of Logarithms

November

Homework 12.5, 12.6, 12.7, Online Quiz 3 due Nov. 3 11:59 PM

4 **Exam II**

6 12.8 Exponential and Logarithmic Equations

Homework 12.8 due Nov. 10 11:59 PM

11 13.1 Parabolas and Circles

13 13.2 Ellipses and Hyperbolas

Homework 13.1, 13.2 due Nov. 17 11:59 PM

18 13.3, 13.4 Systems of Nonlinear Equations and Nonlinear Inequalities

20 14.1,14.2 Sequences (including Arithmetic and Geometric)

Homework 13.3, 13.4, 14.1, 14.2 and Online Quiz 4

due Nov. 24 11:59 PM

25 **Exam III**

27 **NO CLASS** Thanksgiving

December

2	14.3	Series
4	14.4	Arithmetic and Geometric Series

Homework 14.3, 14.4 and Online Quiz 5

due Dec. 10 11:59 PM

11	**Final Exam**	1:00 - 2:50 PM.