

# MAT 152A

## Syllabus

Fall 2014

Instructor:

Daniel Arce.

Contact:

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(530) 318-1477

Lecture:

Tuesday & Thursday 6:00

- 7:50 PM

Textbook:

Beginning and

Intermediate Algebra

by Elayn Martin-

Gay

### Course:

This course is an introduction to Algebra. The class will be the foundation from which you will build almost all of your future Math knowledge. It is important that you learn each and every chapter and every concept as thoroughly as possible.

We will begin with a review of **Real Numbers**. We will move on to **Problem Solving, Equations** and **Inequalities**. We will then be ready to **Graph Equations**. These are skills which are crucial to learn well and will be used for the remainder of your study of Mathematics. We will also study **Exponents, Polynomials** and **Absolute Values**.

By now most of you know that there is no 'Royal Road to Mathematics'. It is only learned through hard and consistent work. You will soon see that even the most intimidating concepts can be learned and then mastered by anyone who puts in the time.

Do Not fall behind. Most of the concepts you will study are based on previously learned material. Unless you are clear on previous lessons, you will find it almost impossible to learn the new material. If you see yourself falling behind, let me know. I will help you catch up. Please KEEP UP WITH THE COURSE.

**Do Not miss a single day of math class. It really hurts.**

It is important that you are always willing to ask questions in class. Even if your questions have to do with previous classes please ask them anyway. We will all appreciate it. Stupid questions do exist, but never about math.

You are **not** allowed the use of a calculator in this class.

### REQUIRED SOFTWARE LICENSE:

In this class, it is required to have a software license for MyMathLab. Students have two choices.

The **first choice** is to purchase the textbook from the bookstore. The textbook comes with the software license for an additional cost of approximately \$5.

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 purchase a used textbook, you will also need to purchase the software license. This software license will also be good for Math 152B, Math 152BB, Math 154A & Math 154AA at no extra cost as long as you take those classes in a timely manner.

Our course id is: **arce91227**

**For assistance** using MyMathLab call 1-800-677-6337.

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](http://247pearsoned.custhelp.com)

### **Homework and Quizzes with MyMathLab:**

Homework will be done online using MyMathLab. Due dates are listed for you when you go online to do the assignments. Feel free to consult a fellow classmate, a tutor, your instructor, or anyone else for assistance on the homework. In addition, the computer will give you help with any problem, show you an example of a similar problem, and in some cases show you a video of someone teaching how to do that type of problem. You can work on homework after the due date but there will be penalties for being late.

Online Quizzes will be taken in MyMathLab. Before you take the quiz, make sure that you have done the homework for the sections covered by the quiz, read the appropriate sections in the textbook, looked at the video(s), and received assistance from either the computer, a tutor, or your instructor on any difficult topics. If you do not take a quiz on time, a zero will be recorded for that grade.

### **In-Class Quizzes and Exams:**

We will have **five Quizzes, two Midterm exams** and a **Final Exam**. Most of your grade will depend on these. If you do the homework along with the on-line quizzes and understand them you should not have too much trouble with the In-Class Quizzes or Exams. Calculators will not be allowed in class ever so please do the MyMathlab homework and quizzes without them.

If you have a learning disability and would like to have more time to take your quizzes and tests, let me know. We will make arrangements.

## **WHERE TO FIND A COMPUTER ON CAMPUS:**

Computers are available for your use in the following locations on campus:

- v Learning Assistance Center (LAC)\* open Mon – Th 10 – 6, Fri 10 – 2, Sat 11 – 3.
- v Math Success Center (MSC) \* open Mon – Th 9 – 6, Fri 10 – 2, Sat 11 – 1.
- v Open Labs in the D-wing which have available times posted by the door of each lab.

## **Grading:**

MyMathLab:	150 points.	450 points and above	<b>A</b>
Quizzes:	100 points (20 points each)	400 – 449 points	<b>B</b>
Exams:	100 points (50 points each)	350 – 399 points	<b>C</b>
Final:	150 points.	300 – 349 points	<b>D</b>
		below 300	<b>F</b>

Your Quizzes, Exams and Final will often include a very small amount of extra credit problems.

## **Tutoring:**

You should know that this course, as well as any other college math course, is quite labor intensive. This is especially so if it has been more than a few months since your last math class. You will quickly find that you need to study more than you ever expected just to keep up.

If you find yourself behind or do not understand some of the references made during lecture please come talk to me. Often times a simple misunderstanding will make it seem like you do not understand a thing.

I will always be willing to make time for tutoring. Teaching Mathematics is my idea of time well spent so never hesitate to ask me for individual help. There are also many other fine Math tutors with set hours and free of charge, (what more could you ask for). Many times it helps to hear concepts explained by different sources so please make them feel useful.

**Never hesitate to ask for help when it comes to Math and Science.**

## **Registration:**

You must be registered for this class by today. If you are not yet registered please do so promptly.

Last day to drop the class without record is **October 3.**

Last day to drop with a **W** is **November 7.**

**Our Final is scheduled for Tuesday December 9 at 6:00 PM.**

## **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.

# SCHEDULE

September 23, 25

Introduction.  
Sections: 1.2 – 1.5

September 30,  
October 2

In-Class Quiz #1  
Sections: 1.6 – 1.8, 2.1

October 7, 9

In-Class Quiz #2  
Sections: 2.2 – 2.4

October 14, 16

Sections: 2.5 – 2.8  
In-Class Exam #1

October 21, 23

Sections: 3.1 – 3.4

October 28, 30

In-Class Quiz #3  
Sections: 3.4 – 3.6, 9.4

November 4, 6

Sections: 5.1, 5.2  
In-Class Quiz #4

November 11

**Holiday**

**November 13**

Sections: 5.3, 5.4

**November 18, 20**

Sections: 5.5, 5.6  
In-Class Exam #2

**November 25, 27**

Sections: 9.1, 9.2  
In-Class Quiz #5

**December 2, 4**

**Catch-up  
Review**

**Tuesday December 9 at 6:00 PM.**

**FINAL**