

**Math 152A**  
**Beginning Algebra (Part I)**  
**Winter 2012**

**Monday/Wednesday: 8:45-10:50 am**

**Instructor; Dr Beverly Palley**

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**Office Hours: TBD**

**Required Textbook:** *Elementary and Intermediate Algebra*, 4<sup>th</sup> Ed, by 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](http://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. To access our class page, go to [www.coursecompass.com](http://www.coursecompass.com) and register using your student access code and the course ID for this class: **palley34024**

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

**Calculator:** Calculators are not allowed in MAT 152A

**Course Description** This course is an Introduction to Algebra. The course will include the Real Numbers and their properties and operations, absolute value equations, simplifying algebraic expressions, linear equations and inequalities, applications with formulas, the rectangular coordinate system, graphing linear equations and inequalities, polynomials and their operations, integral exponents, scientific notation, and an introduction to functions. This course will connect math with the "real" world.

**Prerequisite** A grade of "C" or better in Math 187B or equivalent or appropriate skills demonstrated through the Math Assessment process.

**Accommodations for Students with Disabilities** Students requiring accommodations for a certain disability that may affect class performance are requested to schedule with a staff member at the DRC to discuss this during the first week of the quarter so that appropriate arrangements can be made. They only test and accept new students into the program during the first two weeks of each quarter, so don't put it off.

\*Students with disabilities must identify themselves to me within the first two weeks of class.

**The Math Success Center** (within A 201) has free tutoring for all registered students. Please Log In and Out so that the facility gets the funds it needs to continue this free service.

**Attendance and Etiquette** As a college student, you have voluntarily signed up for approximately 16 hours of Math a week this fall. It is therefore important to remind you that missing four classes (the equivalent of two weeks of the regular quarter) will result in being dropped for non-attendance. Our time in class is a time of learning and is to be respected as such; therefore, disruptive behavior will not be tolerated. A two-class expulsion will be applied for any disruptive behavior.

**As a Courtesy to everyone in class, please turn off your cell phones.**

**Thank you.**

### **How to succeed in a Math class**

1. Come to every class meeting.
2. Arrive early, be prepared, and take notes.
3. Ask questions, especially if you don't understand a concept.
4. Do more than just the homework problems.
5. Take advantage of the free tutoring service in the MSC.
6. Study in groups and do your homework with a classmate.
7. Start preparing for exams at least one week in advance.
8. Do some math every day.

**Dropping the Class** In this class, it is your responsibility to drop the class in order to avoid an unwanted grade. For this, you must go to Admissions & Records. Drop Dates are listed on the back of the printed schedule.

### **Student Outcomes**

The successful student will:

1. Exhibit a proficiency in the topics covered in the course;
2. Engage in logical and critical thinking;
3. Read technical and graphical information; and
4. Demonstrate the solution to problems by translating written language into mathematical statements, interpreting information, sketching relevant diagrams, analyzing given information, formulating appropriate math statements, and checking and verifying results.

**Grading** Your class letter grade will be based on the usual grading scale:

**A:** 90% & above,   **B:** 80-89%,   **C:** 70-79%,   **D:** 60-69%   **F:** 59% and under

### **Methods of Evaluation**

Homework Assignments (28@6 points-Online)	168
Quizzes-( In Class-5 quizzes @ 20 points each)	100
Exams( Two Exams @100 points each)	200
Final Exam (Covers entire course content)	150

**Exam Policy** Students are to bring pencils or pens and blank paper to each exam. Grading will be based on the progress towards the final answer, and the demonstration of understanding of the concept that is being tested, therefore, work must be shown in detail. Any student who cannot make it to an exam may elect to take the exam up to two days before the exam is scheduled. Without a proven medical excuse, a 10% per day penalty will be given for each day the exam is taken late. If all homework and quizzes are completed and scored at least 50%, then the regular exam with the lowest score will be dropped.

**Computer Homework** Homework is due on most Sundays at 11:59 pm \*except when changed by instructor due to conflict. It is recommended that you work on the homework each day with the goal of completing both your homework and quiz 24 hours before they are due so that you have time to respond to unforeseen emergencies or confusions. Feel free to consult a fellow classmate, a tutor, your instructor, or anyone else for assistance on the homework.

**A Word on Honesty** Cheating or copying will not be tolerated. People who cheat dilute the honest effort of the rest of us. If you cheat on a quiz or exam you will receive an F for the course, not merely for the test. Other college disciplinary action including expulsion might occur. Please don't cheat in this class. If you are having difficulty with the course, please see me.

Tentative Schedule  
Math 152A  
Winter Quarter, 2012

January 4-Introduction/Syllabus

1.2 Symbols and Sets of Numbers

1.3 Fractions

1.4 Intro to Variable Expressions and Equations

Homework Due 1/8

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January 9- 1.5 Adding Real Numbers

1.6 Subtracting Real Numbers

1.7 Multiplying and Dividing Real Numbers \*Homework Due 1/11

January 11-1.8 Properties of Real Numbers

2.1 Simplifying Algebraic Expressions

**Quiz #1** (Sections 1.3-1.4)

Homework Due 1/15

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January 16- MLK Holiday

2.2 Addition and Multiplication Properties \*Homework Due 1/18

January 18- Review Quiz#2(Sections: 1.5-1.8, 2.1)

2.3 Solving Linear Equations

2.4 Intro to Problem Solving Homework Due 1/22

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January 23- **Quiz #2** (Sections:1.5-1.8; 2.1)

2.5 Formulas and Problem Solving

2.8 Solving Linear Inequalities Homework Due 1/29

January 25- Review for Exam #1(Sections;1.3-1.8;2.1-2.8)

3.1 Graphs and the Rectangular Coordinate System

3.2 Graphing Linear Equations

3.3 Intercepts Homework Due 1/29

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January 30- **Exam #1** (Sections:1.3-1.8;2.1-2.8)

February 1- 3.4 Slope and the Rate of Change  
Review Exam and Quiz

Homework Due 2/5

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February 6- **Quiz #3** (Section: 3.1-3.3)

3.5 Equations of Lines

Homework Due 2/12

February 8- 5.1 Exponents

Homework Due 2/12

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February 13- 5.2 Polynomials

5.3 Multiplying Polynomials

Homework Due 2/19

February 15- 5.3 Multiplying Polynomials

5.4 Special Products

Homework Due 2/19

Take Home Quiz# 4 (Sections: 3.4-3.5;5.1-5.4)

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February 20- Washington's Birthday

Take Home **Quiz #4** (Sections: 3.4-3.5; 5.1-5.4)

5.5 Negative Exponents & Scientific Notation

5.6 Division of Polynomials

Homework Due 2/26

February 22- Review 5.5 and 5.6

9.1 Compound Inequalities

Homework Due 2/26

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February 27-Review for Exam #2 (Sections:3.4-3.5;5.1-5.6)

February 29- **Exam #2**

9.2 Absolute Value

Homework Due 3/4

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March 5-3.6 Functions

Homework Due 3/7

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March 7-Quiz #5 (Sections: 3.6, 9.1 and 9.2)

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March 12-2.6 Percent and Mixture Problems

Homework Due 3/18

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March 14- 2.7 Further Problem Solving

Homework Due 3/18

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March 19- Review for Final Exam

March 21- FINAL EXAM 7-8:50 am

## Congratulations

This is the day that you will successfully complete Math 152A