

## WELCOME :

Welcome to Math 130 – Elementary Algebra. Read through this entire document now. Do not just read as you go. Knowing all that is required from the start will help you plan and succeed. Other recommendations are set forth below in the "Recommendations for Success" portion of this syllabus. **This class will require a significant time commitment on your part. If you do not feel that you have adequate time to make such a commitment, this class may not be for you.** I hope you are able and willing to proceed. I look forward to working with you throughout your study. Professor Medrano

**Prerequisite:** Math 29 or equivalent

## Textbook (Optional/ Available online)

The custom print for Citrus College of *Elementary Algebra, Concepts & Applications* (8<sup>th</sup> Edition), Bittinger & Ellenbogen, Addison Wesley, 2010 ISBN: 0558548474

- If you purchase the book through the bookstore, the book **MUST** contain MyMathLab.
- If you decide not to purchase the book, MyMathLab can be purchased for approximately \$80 through [www.coursecompass.com](http://www.coursecompass.com).
- EVERY STUDENT MUST HAVE A **MyMathLab** CODE IN ORDER TO CREATE AN ACCOUNT FOR THIS COURSE. EVERY ACCOUNT CONTAINS AN ELECTRONIC COPY OF THE BOOK.

## Grading:

Homework	15%
Quizzes	20%
Exams	40%
Final	25%

<b>A:</b>	100% - 90%
<b>B:</b>	89% - 80 %
<b>C:</b>	79% - 70%
<b>D:</b>	69% - 60%
<b>F:</b>	59% - below

Each of these items is discussed in more detail below. Note: The GRADEBOOK link under coursecompass.com allows you to check your scores/points/grades throughout the semester. Check it at least weekly. If you do not see points posted for work you have completed and submitted, contact Professor Medrano. Generally allow one week from date of submission for points to be posted.

**Topics covered:** Fundamental operations with polynomials and rational expressions, products and factoring, linear and quadratic equations in one variable, inequalities, exponents, radicals, graphing linear equation, system of equations, and applications.

## Student Learning Outcomes

Upon completion of this course, students will be able to do the following:

- Formulate a general strategy to factoring polynomials that can be used to completely factor polynomials by applying the appropriate methods of factoring, including greatest common factor, grouping, difference of two squares, sum and difference of two cubes, trinomial to the product of two binomials, and combinations of these methods
- Critically examine and describe situations involving direct and inverse variation models
- Analyze the linear relationship between two quantities as it relates to slope
- Analyze the relationship between parallel and perpendicular lines
- Analyze and develop an understanding of how to interpret data related to a given line
- Develop an understanding of how to compute function values
- Demonstrate an understanding of how to simplify algebraic expressions by applying properties of real numbers, rules of exponents, and rules of radicals
- Develop an understanding of how to solve linear equations and inequalities in one variable, quadratic equations, rational equations, literal equations, radical equations, and systems of two linear equations by applying appropriate properties of equality and simplification rules, and then checking the results
- Describe large and small physical quantities by using scientific notation
- Demonstrate an understanding of how to graph linear equations and inequalities in two variables by plotting several points, by determining the intercepts, or by determining the slope and a point on the line
- Demonstrate an understanding of how to perform operations of addition, subtraction, multiplication, and division on polynomials, rational expressions, and radical expressions
- Use appropriate study skills, including note-taking, frequent review, regular attendance, sufficient study time outside of class, presentation of work in a manner consistent with class instruction, and completing assignments in a timely manner
- Use proper mathematical notation and format

## Homework:

All homework has been posted, pay close attention to the due dates. Due dates will not be extended under any circumstance. When doing homework, you should follow the format that is used in the book. Format will be part of the exams and final exam grades and it is best if you practice it early enough. The lowest homework score will be dropped at the end of the course.

**No Homework Extensions Will be Granted, No Exceptions!!!**

## Quizzes:

There will be seven chapter quizzes; pay close attention to the due dates. The quizzes will be administered online and are due on the dates listed on the suggested schedule. All quizzes have been posted, pay close attention to the due dates. Although work is not collected for quizzes, you must show your work in an organized manner and using proper notation, this will allow you to do better in the exams. The lowest quiz score will be dropped at the end of the course.

**No Quiz Extensions Will Be Granted, No Exceptions!!!**

**Posting homework and quizzes at the beginning of the semester gives you flexibility. Do not wait for the due date to begin assignments as emergencies occur and extensions are not granted.**

## **Exams:**

**YOU MUST COME TO CAMPUS SIX TIMES:** You must come to the Testing Center at Citrus College to take all exams and the Final Examination. The details are as follows:

**Exams:** Check the suggested schedule for exam dates. You may schedule to take an exam one day before the date listed on the schedule or until Monday for the following week. No other arrangements will be made. No extensions will be given. Exam will NOT consist of multiple choice questions, exams WILL consist of free response; that is, you must show all your work to receive credit. In an exam, proper form must be used; form is part of the grade. It is important that you follow examples from the book accurately. Similar form is expected in the exam work. **No Exams Extensions Will Be Granted, No Exceptions!!!**

- You must memorize any formulas used during homework or quizzes, no formula sheet is allowed during any exams.

## **SPECIAL NEEDS**

If you have a disability documented by a physician or other appropriate professional and wish to discuss academic accommodations, please contact the DSPS office at Citrus College (phone 626-914-8675). In addition, please discuss your accommodation needs with Professor Medrano.

## **Final Exam:**

You may take the Final Exam on any December 12<sup>th</sup>, 13<sup>th</sup>, or 14<sup>th</sup> 2011. The final exam covers all chapters covered during the class. That is; the final exam will consist of chapters 1 – 9 and appendix A. The final exam will have the same format at the regular Exams. (Read Above)

For each exam, you are allowed to select the day and the time that best fits your schedule. Allow 2 hours for each exam. You do not need to make an appointment with the Testing Center. You must show up early enough to allow time to complete the exam prior to the Testing Center closing time. In order to take a test in the Testing Center, you must have a Citrus College photo I.D. card. If you do not have such a card already, you can get one at the library on campus. Go in during normal library hours. Be sure to take some form of identification with you to the library, such as your driver's license. When you come to the Testing Center, you must also bring a pencil and eraser. If you have any questions relating to the Testing Center, you can contact it by telephone at (626)857-4035, or by email at [testcenter@citruscollege.edu](mailto:testcenter@citruscollege.edu)

## **Honor Policy:**

- Cheating will not be tolerated
- Cheating consequences range from a zero on the assignment to a "Fail" in the class

## **Study Tips**

- I strongly encourage tutoring to all students
- Individual tutoring is available through the Learning Center

- Homework help is available in the Math Success Center **MA 130** on a drop-in basis (When seeking help from me or tutors, please read the section ahead of time and only bring questions that you don't understand. **Since this is an online course, you are required to read the book.**)
- I will be teaching two other Math 130 traditional courses. If space allows, you may come in and listen to lectures. Any visiting student must notify me prior to coming to lecture.

### **YOUR FIRST TASK**

To make sure that you are properly enrolled in this class, please do the following things immediately:

**1.** Email me (Professor Medrano) NOW, providing me with your full name, email address, and student identification number. If I do not receive an email from you by September 15<sup>th</sup>, you may be dropped from the class. My email address is: [emedrano@citruscollege.edu](mailto:emedrano@citruscollege.edu)

**2.** Make sure that you have properly enrolled for this class (and paid your fees). You must enroll through the Citrus College Admissions and Records office. If you have any questions about enrolling, please call the Citrus College Admissions and Records office at (626)914-8511.