

Dr. F. P. Afiat
Math 97 Elementary & Intermediate Algebra
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Room B 130 H, CCSN Henderson Campus
Fall 2009- Office Hours: TR 1:20-2:00PM

Text Book

Beginning and Intermediate; Lial, Hornsby, and McGinnis, 4th edition. Make sure that you have the access package to MyMathLab with your book.

Computer Requirements & Basic requirements for all MyMathLab

- **Windows® operating system and a supported version of Microsoft Internet Explorer®**
- **Internet connection:** Cable/DSL, T1, or other high-speed for multimedia content; 56k modem (minimum) for tutorials, homework, and testing.
- **Memory:** 64 MB RAM minimum
- **Monitor resolution:** 1024 x 768 or higher
- **Plug-ins:** You need certain plug-ins and players from the MyMathLab Installation Wizard (found inside your course)

Calculator

Scientific calculator or above. However the program already have calculator in it.

Prerequisite

Completion of Math 93D or placement test required. However, it is recommended that only student with strong ability in math should take this compact course.

Course Description

This is a one-semester course equivalent to the combination of MATH 95 and MATH 96. Topics include solving linear equations in one variable, polynomials, integer exponents, factoring, rational expressions and equations, graphing linear equations in two variable, inequalities, systems of linear equations, radicals and rational exponents, and quadratic equations. Prerequisite: Math 093 or Math 116 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

Course Outcomes

Upon completion of the course, the student should be able to:

1. Solve linear, absolute value, and quadratic equations.
2. Solve linear and absolute value inequalities.
3. Solve systems of linear equations.
4. Work with exponents.
5. Work with polynomial arithmetic.
6. Factor polynomials and solve equations by factoring.
7. Work with rational expressions and solve rational equations.
8. Work with functions and functional notation.

9. Graph linear functions.
10. Perform arithmetic on irrational numbers.
11. Apply and extend all concepts.

Grading:

1. Homework (20%):

- All homework must be completed online with at least 90% accuracy before being allowed to take the next homework or the quiz.
- You are given unlimited number of attempt to try the homework problems until you meet the 90% or better grade in it. However, you need to meet the due date for the assignments in order to take your quizzes or the test.
- There are many tools to help you complete the homework, please use them as you needed.
- Read and review the direction provided for entering the answer in MyMathLab.

2. Quizzes (15%):

- There is at least one quiz per chapter.
- You are allowed to take each quiz only after you completed the related homework assignments to this quiz with a 90% grade.
- You will be given 2 attempts for each quiz. You have a limited time (usually 80 minutes) to take the quiz. You must pay careful attention as how to enter the answers in the computer. Computer will mark it wrong if you enter the answer in the incorrect format (please take the tour that is provided for you in the first screen of MyMathLab on How to enter the answers correctly). I will not give credit if you make a mistake due to entering an answer incorrectly. However, you may take each quiz a second time (a different version) and only your higher score will count.
- **IMPORTANT:** While taking a quiz, you cannot explore any other pages; links; or use the “Back” bottom to view the previous pages in MyMathLab. It would consider it as cheating and therefore it kick you out of the quiz.

3. Tests (65%)

- There will be four **written** tests in this class, including the final exam.
- **All tests are cumulative** in nature, which means they cover everything in the course to date. Tests will be given on the dates that are scheduled in the classroom.

Extra Credit:

No extra credit work will be offered in this course, except the one that are in each test.

**** If you quit attending after the first exam and do not officially withdraw, you will receive a grade of “F”.**