MAT095_Maurice_Spring 14

SYLLABUS

MATH 095 Online - ELEMENTARY ALGEBRA

CRN 12607

Spring 2014

Final Exam:

Wednesday, May 14th, from 3:30 – 5:30 in room B 125
(picture identification is required)

Three Rivers Community College
574 New London Turnpike
Norwich, Connecticut 06360

Barbara Maurice, Associate Professor of Mathematics

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COURSE DESCRIPTION

This course extends the basic algebra skills acquired in MATH 075. The topics include: signed numbers, solving first-degree equations, exponents, polynomials, factoring, graphing, systems of linear equations, inequalities, radicals and scientific notation. (This course does not count towards the minimum requirements for graduation.

PREREQUISITE

Acceptable placement score or Math 075 with a "C" grade or better. You are allowed to use a calculator in this class.

Math 095 Outcomes

1. Evaluate algebraic expressions
2. Determining if a given number is a solution to an equation or an inequality
3. Determining if an ordered pair is a solution to a linear equation in 2 variables

4. Add, subtract, multiply, and divide real numbers and raise a real number to an integer power
5. Add, subtract, multiply, and divide Polynomials
6. Simplify, add, subtract, multiply, and divide Radicals
7. Rules for Exponents
8. Converting between Scientific Notation and standard notation

9. Order of Operations (manipulation)
10. Properties of Real Numbers (manipulation)
11. Simplifying Algebraic Expressions (manipulation)

12. Graphing in a Rectangular Coordinate System
13. Graphing Linear Equations by plotting points, using intercepts, and using the Slope-Intercept form
14. Graphing the solution to a Linear Inequality in one variable.
15. Graphing a System of Linear Equations in two variables
16. Rates of change (slopes)
17. Identifying Linear Equations (Linearity)
18. Solving Linear Inequalities in one variable
19. Finding the Equation of a Line (manipulation)
20. Solving Linear Equations in one variable
21. Solving formulas for a specified variable
22. Solving a System of Linear Equations in two variables (two methods)
23. Two forms for the equation of a line (transforming back and forth)

24. Finding an unknown number word problem
25. Solving consecutive numbers (including odd and even) word problems
26. Solving dimension problems using geometric formulas
27. Solving Percent and Mixture problems
28. Solving table problems such as rate, time, and distance
29. Solving linear inequality problems
30. Solving linear equation in two variables problems
31. Solving System of 2 linear equations in 2 variables word problems

TEXTBOOK
Elementary & Intermediate Algebra: Graphs & Models 4th edition – Bittinger, Ellenbogen, Johnson

Be sure to purchase MyMathLab student access kit either with the text or all by itself. If you choose to purchase the MyMathLab code alone, you can read the text online.
MyMathLab student access code is available at the bookstore or online when you click "register" @ www.coursecompass.com

INSTRUCTOR ID (COURSE ID) : maurice54063

GRADING POLICY

Your Final Grade will be determined in the following manner:

- Fifty percent of your grade will be determined by your MyMathLab average (the result of your tests and homework done online). The quizzes (Practice Tests) will not affect your grade – they are for practice only.
- Fifty percent of your grade will be determined by your Final Exam which will be taken at Three Rivers Community College.
- IMPORTANT!!! You are allowed 2 hours for each test. Once you have started a test it must be completed with the 2 hour time limit.

Digication
All students are required to maintain an online learning portfolio in Digication that uses the college template.

NOTE:
The prerequisite for Math 137S (Intermediate Algebra Embedded) is a "C" or higher in Math 095, while the prerequisite for Math 137 (Intermediate Algebra) is a grade of "B-" or higher in Math 095.

COLLEGE WITHDRAWAL POLICY
The last day to withdraw from class is May 12th 2014. Students wishing to withdraw must provide the following information to the Registrar's Office (860-215-9064): full name, address, date of birth, and instructor's name. Students who stop attending and fail to withdraw will receive a final grade of "F".

DISABILITIES STATEMENT
If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact the Disabilities Counseling Service. To avoid any delay in the receipt of accommodations, you should contact the counselor as soon as possible. Please note that I cannot provide accommodations based upon disability until I have received an accommodation letter from the Disabilities Counselor. Your cooperation is appreciated.