THREE RIVERS COMMUNITY COLLEGE
Elementary Algebra Foundations 095
Spring 2011

Instructor: Henry Kopij
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Office Hours: 5:30 – 6:30 PM, W or 11:00 AM 12:00 PM TTH

Text: Beginning Algebra, 5th edition, by Martin-Gay

Course Name: Math 095
CRN: 12068
MML Course Code: **kopij13442**

Course Description:
This course continues the development of algebraic skills acquired in MAT K075. Topics include: Review of real numbers, equations, inequalities, and problem solving, graphing, solving systems of equations and inequalities, exponents and polynomials, rational expressions, roots and radicals. **This course does not count towards the minimum requirement for graduation.**

Prerequisites:
Acceptable placement score or a grade of C or better in Math 075.

Required Materials:
Beginning Algebra, 5th edition, by Martin-Gay is available as a hardcover textbook or as a on-line pdf file when you register for MyMathLab. Everyone should get the MyMathLab student access kit with the textbook or on-line.

Three-ring notebook and tabbed dividers to create sections for class notes and homework.

Calculators (optional) – TI-83 or TI-84 calculators are required in the next course. You will be allowed to use a calculator to do homework assignments and on most tests. Any calculator will also be acceptable. **Cell phones will not be allowed as calculator**.

Course Supplement:
MyMathLab online resource program.

Attendance:
Attendance is mandatory. After a second absence your grade will be lowered by one level:A to A-, A- to B+, etc. Excessive tardies may accumulate as one or more absences. Students who are absent 3 times will have one point added to their final grade, 2 absences will add two points, a 1 or fewer will add 3 points to the final grade.

Grading Criteria for non MML students:
4 announced tests each worth 100 points (50% of grade)
Take home Assignments 100 points (practice quizzes, exams, project) (10% grade)
Final Exam worth 400 points (40% grade)

Final Grade – (1.25 x test average + take home average + 4 x exam grade)/1000

Grading Criteria for students that elect to use MML:
4 announced tests worth 50 % grade
MML assignments worth 20% of grade
Final Exam worth 30% of grade

A Grade of C is required to advance to MAT 137

Homework: Homework will be assigned during each class and will be gone over on the following class. Generally homework will not be graded unless announced in advance. Students may elect to do homework on MML and have their homework assignments included as part of their grade.

Exams: Will be administered in class. **No make-up exams will be allowed unless there is an unavoidable situation that can be documented.** A student must contact the instructor on the day of the exam or earlier in order to be allowed to take a make up exam. If a student misses an exam the final exam grade will be used as a replacement for missed exam. Any subsequent missed tests will result in a zero.

Extra Credit – No "extra credit" is given in this course.

Cell Phones:
Cell phones and beepers must be turned off during class and may not be used as a calculator. Students who ignore this policy will be asked to leave class. If there is an extenuating situation, the student must contact the instructor prior to class.

Disabilities Statement: If you have a visible or hidden disability that the instructor should be aware of please see me as soon as possible. Please register with Chris Scarborough if you have not done so.

Important Dates:
Feb 2 – Last day to add/drop for partial refund
Feb 17 – Last day to select audit
Mar 13 -19 Spring Break
Apr 7 – Last day to select Pass/Fail option
May 9 – Last day to withdraw from class
May 17-18 Make-up Supplemental Session/Instructor Discretion

MML Instructions

Getting Started:

1. Valid e-mail address is needed
2. Course ID# kopij13442
3. Student Access Code (provided with purchase of book or register online)

How to Register:

1. Go to www.coursecompass.com and click on **Register as a student**.
2. Enter: six word student access code found with textbook (pull perforated strip)
   School zip code: **06360**
   Country: **United States**
3. Enter course ID# : kopij13442
4. Answer the required questions and create a user name and password. You will use this user name and password to access My Math Lab for the remainder of the course.

Log in instructions after registering:

1. Go to www.coursecompass.com
2. Click **Log In** under the **Student** area.
3. Enter the user name and password that you created when registering
4. At the Welcome page, you will see your course under the heading **Courses you are taking.** Click the course name to enter MyMath Lab.
5. You must enable pop-ups from this site.
6. The first time you enter the site from your computer and anytime you use a new computer, click on the **MyMathLab Installation Wizard** link in the **Announcements** page. This wizard will walk you through the installation of the software you will need to run MyMathLab.

Technical Problems:

Call Tech Support at 800-677-6337, M-F 9am-6pm EST or by clicking **Student Help** on the **Announcements** page or by reviewing the **tip sheets**.

GOOD LUCK

Math 095 Beginning Algebra

Text: <u>Beginning Algebra</u> by K. Elayn Martin-Gay

Chapter	Section	Assignment
1	1.4	32/3-72, mult of 3, 96,99,101
	1.5	40/1-91 odds
	1.6	46/1-87 odds
	1.7	56/1-119 odds
	1.8	63/1-83 odds
2	2.1	80/3-81 mult of 3, 83, 85, 99, 103
	2.2	87/1-73, odds
	2.3	95/3-99 mult of 3
	2.4	103/3-66, mult of 3
	2.5	112/5,10,15,20,25,30,35,40
	2.6	122/3-60 mult of 3
	2.7	134/3-39 mult of 3
	2.8	143/5-30 mult of 5
	2.9	147/5-60 mult of 5
3	3.1	180/3-66 mult of 3
	3.2	191/3-36 mult of 3, 47-50
	3.3	200/ 3-60 mult of 3, 61
	3.4	213/3-69, mult of 3
	3.5	224/3-69, mult of 3
4	4.2	263/3-30, mult of 3,53
	4.3	269/5-50 mult of 5
	4.4	278/5-40 mult of 5
5	5.1	310/3-111 mult of 3
	5.2	320/5-90 mult of 5
	5.3	327/3-69 mult of 3, 95
	5.4	334/5-90 mult of 5, 97, 99
	5.5	343/3-78 mult of 3
	5.6	350/3-39 mult of 3

Chapter	Section	Assignment
6	6.1	369/3-90 mult of 3, 107, 110, 112
	6.2	376/3-72 mult of 3, 81, 83
	6.3	384/3-72 mult of 3, 107
	6.4	389/5=50 mult of 5, 63
	6.5	396/3-69 mult of 3, 81, 84
	6.6	408/5-85 mult of 5
8	8.1	509/3-66 mult of 3, 77
	8.2	516/3-63 mult of 3
	8.3	520/3-39 mult of 3
	8.4	528/1-45 odds

MAT095 Course 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. Greatest Common Factor (factoring)
9. Factor by Grouping
10. Factor trinomials of the form $x^2 + bx + c$
11. Factor trinomials of the form $ax^2 + bx + c$
12. Factor Perfect Square Trinomials
13. Factor the Difference of Two Squares
14. Factor Completely
15. Converting between Scientific Notation and standard notation

16. Order of Operations (manipulation)
17. Properties of Real Numbers (manipulation)
18. Simplifying Algebraic Expressions (manipulation)

19. Graphing in a Rectangular Coordinate System
20. Graphing Linear Equations by plotting points, using intercepts, and using the Slope-Intercept form
21. Graphing the solution to a Linear Inequality in one variable.
22. Graphing a System of Linear Equations in two variables
23. Rates of change (slopes)
24. Identifying Linear Equations (Linearity)
25. Solving Linear Inequalities in one variable
26. Finding the Equation of a Line (manipulation)
27. Solving Linear Equations in one variable
28. Solving formulas for a specified variable
29. Solving a System of Linear Equations in two variables (two methods)
30. Solving equations with degree 2 or greater by factoring
31. Two forms for the equation of a line (transforming back and forth)

32. Finding an unknown number word problem
33. Solving consecutive numbers (including odd and even) word problems
34. Solving dimension problems using geometric formulas
35. Solving Percent and Mixture problems
36. Solving table problems such as rate, time, and distance
37. Solving linear inequality problems
38. Solving linear equation in two variables problems
39. Solving System of 2 linear equations in 2 variables word problems
40. Solving factorable Quadratic Equation word problems