SYLLABUS
Basic Algebra-Math 095

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- NO CREDIT-a grade of C (75%) is required to pass this course.

- Course Description: the following chapters will be covered: Chapters 1.4-1.8, 2,
- 3.1 – 3.6, 4.1-.4.4, 5, 6, 8.1-8.4, 9.1 and 9.3.

- Method of Evaluation: Exams and quizzes covering course work.

- Required Text: <u>Beginning Algebra</u>, 5th edition, by Martin-Gay, Prentice Hall

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COURSE CONTENT

Procedure: Lecture, homework and class participation.

NO MAKE-UPS: Tests that are missed for any reason **CANNOT** be made-up. Any missed exam will receive a grade of **ZERO**.

Attendance: Students who are registered for this course are expected to attend class regularly. This course is designed in such a way that a student should get more from the in class activities than from the textbook alone.

Course Evaluation: All exams will be equal in value to each other. A student's four highest quiz grades will averaged into a test grade.

GRADE	EQUIVALENT:	GRADE;	EQUIVALENT
A	95-100	C+	77 -79
A-	90 -94	C	75-76
B+	87-89	C-	70-74
B	85-86	D+	67-69
B-	80-84	D	65-66
		D-	60-64
		F	BELOW 60

<u>DISABILITIES STATEMENT</u>; If you have a hidden or visible disability which may require classroom or test-taking modifications, please see me as soon as possible. If you have not already done so, be sure to notify our Disabled Student Counselor.

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

MATH 095

REMINDER; A GRADE OF C (75%) or better is required to continue onto the next course.

HOMEWORK: Homework is assigned at each class period. It is a tool for the student to reinforce their understanding of the material presented in class. Homework is reviewed at the following class. Therefore, homework is a viable way for students to assess their progress and should alert them to areas of academic difficulty.

DATE:	TOPIC:	DATE:	TOPIC:
1/20	Chapter 1		
1/23	Chapter 1	3/26	Chapter 5
1/25		3/28	
1/27		3/30	
1/30	Chapter 2	4/2	
2/1		**4/4**	**EXAM Chapters 4&5**
2/3		4/6	NO CLASS
2/6		4/9	Chapter 6
2/8		4/11	
2/10		4/13	
2/13	Chapter 3	4/16	
2/15		4/18	
2/17	**EXAM 1 & 2**	4/20	
2/20	NO CLASS	4/23	
2/22	Chapter 3	4/25	
2/24		**4/27**	**EXAM Chapter 6**
2/27		4/30	Chapter 8
2/29		5/2	
3/2	**EXAM Chapter 3**	5/4	
3/5	Chapter 4	5/7	REVIEW
3/7		5/9	
3/9		**5/11**	**LAST EXAM**
3/12	Chapter 4	**5/14**	**LAST EXAM**
3/14	Chapter 5		
3/16			
3/19-3/23	SPRING BREAK		

INFORMATION SHEET

I understand the policy of makeup exams as stated in the Syllabus for this course. I understand that I must make contact with my instructor PRIOR to the exam period in order to make arrangements for the makeup exam. Failure to do so will result in a grade of zero on that exam.

Signed_____

Date_____Course_____

Name:
Address:

Phone Number: `   Email:

Last Mathematics Course:
When:

Program of Study:

Any other information that you wish to tell me: