

Course: Math 095
Elementary Algebra Foundations
Mat* K095 T 16

CRN: 11778

D/T: T 6:30 - 9:15 Rm. D 122

INSTRUCTOR: CONSTANCE S. STOLL
E-MAIL

HOME PHONE 860-367-0522

OFFICE HOURS BY APPOINTMENT

COURSE DESCRIPTION:

This course extends the basic algebra skills acquired in Math075. 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)

TEXT: BEGINNING ALGEBRA BY MARTIN-GAY
(FIFTH EDITION)

SECTIONS TO BE COVERED:

1.2, 1.4-1.8, 2.1-2.9, 3.1-3.5, 4.1-4.4, 5.1-5.6 6.1-6.6 8.1-8.4

Chapter 1 Review of Basics

The student will use a number line to order numbers, translate sentences into mathematical statements, Identify numbers in the number system, find the absolute value of real numbers. Find solutions using the order of operations

Chapter 2 Equations, Inequalities and Problem solving

Students will identify terms, both like and unlike, combine like terms, use properties of operations to solve equations. Solve linear equations by applying strategies.

Chapter 3 Coordinate system, graphing, equations 3.1- 3.6

Student will read bar and line graph. Graph a linear equation. By plotting points. Find slope. Identify the domain, range

Chapter 4 solve a system of equations by graphing, elimination, substitution. Solve verbal problems using systems of equations.

Chapter 5 Exponents and Operations with Polynomials

Students will evaluate exponential expressions, Use power rules to simplify Expressions, Divide polynomials by monomials

Chapter 6 Factoring

Identify the GCF in solving problems in monomials and polynomials

Chapter 8 Roots and Radicals 8.1-8.4

Finding square root, cube root, n th root. Simplifying radicals
Operations with radicals

It is important and expected that you attend every class to insure success. Homework will be assigned for each class and will be gone over at the following class. Homework will be collected at the discretion of the instructor.

Tests will follow the conclusion of each chapter and Quizzes may or may not be announced.

Student Evaluation: Exams, Quizzes and Class Participation along with the Final Exam.

Class Average	Final Grade
90-100	A- / A
80-89	B- / B
70-79	C- / C
60-69	D- / D
Below 60	F

Support Services: Tutorial services, extra help with me by appointment, e-mail or phone.

STATEMENT OF DISABILITIES;

If you are a student with a disability and believe you will need accommodations in the class, it is your responsibility to contact the Disabilities Counseling Service. Please do so as soon as possible as it is necessary to have received a letter from that office to provide accommodations.

TENTATIVE

ASSIGNMENTS

	PAGE(S)	EXERCISES
Chapter 1:		
	14	1 - 8, 23 - 28, 41 - 45, 51 - 54
	21	1 - 5, 11 - 16, 19 - 24, 33 - 36, 41 - 44, 47 - 50, 61 - 71
	32	1 - 6, 19 - 26, 33, 34, 40, 47 - 50, 59, 65, 66, 75, 78, 81, 90
	40	1 - 57, every other odd (EOO)
	46	1 - 11, 13 - 38, 43 - 50, 57 - 59, 70, 80
	56	8 - 34 evens, 43 - 48, 51 - 56, 78 - 83, 98
	63-64	5 - 15 Odd, 18 - 28 even, 32 - 38 even, 59, 61
Chapter 2:		
	79 - 80	1 - 12, 21 - 29, 33 - 38, 39 - 51, 67 - 73
	87 - 88	1 - 11, 17 - 33 odd, 69, 70, 88
	95 - 96	1 - 9, 17 - 24, 33 - 40, 77 - 79
	103 - 4	3 - 12, 17 - 27 odd, 31, 31
	111 - 112	2 - 8 even, 9, 10, 16, 43, 45
	122 - 3-4	1, 4, 12, 14, 15, 16, 29, 40, 51
	134 - 5	1, 4, 6, 11, 14, 25
	143 - 4	22, 6, 11, 15, 20
TEST CHAPTER 1 AND 2		
Chapter 3:		
	180 - 3	1 - 3, 11 - 13, 18, 19 - 25, 45, 46, 49, 50, 65
	191 - 2	2 - 10 even, 17 - 22, 41 - 44, 51
	200 - 1	1 - 5, 13, 15, 20, 26, 36, 48, 49
	213 - 4	1 - 6, 10, 12, 14, 18, 25, 27, 33 - 37, 51, 55, 57, 63
	224 - 5	1 - 13 odd, 23 - 47 eoo, 75
	234 - 7	1 - 27 odd, 39 - 65 odd, 84, 85
Chapter 4:		
	256 - 7	1, 2, 9 - 15, 39 - 42, 54, 58
	263 - 4	1 - 29 odd
	Worksheets	
TEST CHAPTERS 3 AND 4		
Chapter 5:		
	310 - 1	1 - 77 eoo
	320 - 1	1 - 69 eoo

327 - 8

1 - 69 eoo

334 - 5

1, 3, 6, 11, 12, 13, 21 - 23, 31 - 37

343

1 - 65 eoo

350 - 1

1 - 69 eoo

TEST CHAPTER 5

Chapter 6:

369 - 370

1 - 65 eoo + (worksheet)

376

1 - 61 eoo

384

1 - 49 eoo + worksheet

396

2, 6, 10, 22, 23, 28, 32, 44, 45

408

1, 7, 10, 18, 19, 24, 37, 38, 77, 78, 84

TEST CHAPTER 6

Review for final exam and FINAL EXAM.