Math 026 Syllabus
Spring 2024
Tussy & Gustafson, Intermediate Algebra, 5th Edition

Periods	Sections	Topics
½	1.1 - 1.4	(Course orientation) Translating words into mathematical models. Real numbers. Operations with real numbers. Simplifying algebraic expressions with real numbers.
2	1.5 – 1.8	Solving linear equations and their application.
1	2.1 – 2.2	Graphing linear equations. Reading graphs.
1 ½	2.3 – 2.4	Slope and determining linear equations.
1 ½	3.2, 3.6	Solving system of linear equations in two variables algebraically and their applications.
1	4.1 – 4.2, 4.4	Solving one-sided/two-sided linear inequalities with applications. Solving linear inequalities in two variables graphically.
1	4.3	Solving absolute value equations and inequalities.
1	2.5 – 2.6 (1-3)	Functions
1	5.3 – 5.4	Polynomial functions, operations with polynomials.
1	**CATCH-UP & REVIEW**	
1	**EXAM I**	
1 ½	5.5- 5.9	Factoring. Solving polynomial equations by factoring.
3 ½	6.1 – 6.5 6.7 – 6.8	Rational expressions and functions. Operations with rational expressions. Dividing polynomials. Solving rational and literal equations and their applications.
1	5.1 – 5.2	Integer exponents
2	7.1 - 7.3	Radical expressions and functions. Rational exponents. Simplifying and combining radical expressions.
1	**CATCH-UP & REVIEW**	
1	**EXAM II**	
1 ½	7.4 – 7.5	Multiplying/dividing radical expressions. Solving radical equations.
2	8.1 - 8.3	Quadratic functions. Solving quadratic equations and their applications. Equations reducible to quadratic form.
1	8.4	Graphing quadratic functions.
1	**CATCH-UP & REVIEW**	