

Fall Semester			
Week #	No Calculator Allowed or Non-Graphing Calculator Allowed (Recommended TI-30XIIS)	Topics These are split up based on three total class hours per week. This could be: I. Four 45-minute classes per week. II. Two 90-minute classes per week. <i>**Note: Students will need to study and work on assignments outside of scheduled class time.**</i>	Notes and Assignment Number
1	No Calculator	Course Intro and Expectations	
	No Calculator	Operations with Integers	1.1
	No Calculator	Intro to Fractions; Multiplying and Dividing Fractions	1.2
	No Calculator	Adding and Subtracting Fractions; Mixed Numbers	1.3
2	No Calculator	Exponents and Order of Operations	1.4
	No Calculator	Evaluating Absolute Value; Mixed Practice	1.5
	No Calculator	Evaluating Expressions	1.6
	No Calculator	Solving One-Step and Two Step Linear Equations (include single fraction)	1.7
3	No Calculator	Solving Multi-Step Linear Equations	1.8
	No Calculator	Solving Formulas; Solving Abs Value Equations	1.9
	No Calculator	Solving Linear Inequalities	1.10
	No Calculator	Solving Compound Inequalities	1.11
4	No Calculator	Solving Absolute Value Inequalities	1.12
	No Calculator	Unit 1 Review	U1 Review
	No Calculator	Unit 1 Review Continued	U1 Review
	No Calculator	Unit 1 Exam	U1 Exam
5	Non-Graphing Calculator	Rules of Exponents (all rules of exp)	2.1
	Non-Graphing Calculator	More with Rules of Exponents	2.2

	Non-Graphing Calculator	Intro to Polynomials; Add, Subtract, Multiply Polynomials (including 2 variables)	2.3
	Non-Graphing Calculator	Intro to Factoring (GCF, Factor by Grouping)	2.4
6	Non-Graphing Calculator	Factoring Trinomials	2.5
	Non-Graphing Calculator	Factoring (Diff of Squares, Sum and Diff of Cubes)	2.6
	Non-Graphing Calculator	Factoring (Everything)	2.7
	Non-Graphing Calculator	Solving Polynomials with Factoring	2.8
7	Non-Graphing Calculator	Simplifying Rational Expressions; Multiplying and Dividing Rational Expressions	2.9
	Non-Graphing Calculator	Adding and Subtracting Rational Expressions	2.10
	Non-Graphing Calculator	More with Operations with Rational Expressions	2.11
	Non-Graphing Calculator	Complex Fractions	2.12
8	Non-Graphing Calculator	Solving Rational Equations	2.13
	Non-Graphing Calculator	Unit 2 Review	U2 Review
	Non-Graphing Calculator	Unit 2 Review Continued	U2 Review
	Non-Graphing Calculator	Unit 2 Exam	U2 Exam
9	Could Include both Calculator and Non-Calculator Parts	Radicals and Rational Exponents (numbers only)	3.1
	Could Include both Calculator and Non-Calculator Parts	Radicals and Rational Exponents (including variables)	3.2
	Non-Graphing Calculator	Adding and Subtracting Radicals	3.3
	Non-Graphing Calculator	Properties of Radicals and Multiplying Radicals	3.4
10	Non-Graphing Calculator	Dividing Radicals by Rationalizing Denominators	3.5
	Non-Graphing Calculator	Complex Numbers; Adding and Subtracting Complex Numbers	3.6
	Non-Graphing Calculator	Multiplying Complex Numbers (including higher powers with the imaginary base)	3.7

	Non-Graphing Calculator	Dividing/Rationalizing Complex Numbers	3.8
11	Non-Graphing Calculator	Solving Equations with Radicals and Rational Exponents	3.9
	Non-Graphing Calculator	Solving Equations with Multiple Radicals	3.10
	Could Include both Calculator and Non-Calculator Parts	Unit 3 Review	U3 Review
	Could Include both Calculator and Non-Calculator Parts	Unit 3 Review Continued	U3 Review
12	Could Include both Calculator and Non-Calculator Parts	Unit 3 Exam	U3 Exam
	Non-Graphing Calculator	Relations and Functions	4.1
	Non-Graphing Calculator	Finding Information from Graphs (increasing, decreasing, intercepts, even, odd etc)	4.2
	Non-Graphing Calculator	Functional Notation	4.3
13	Non-Graphing Calculator	Operations with Functions	4.4
	Non-Graphing Calculator	Inverse Functions	4.5
	Non-Graphing Calculator	Intro to Lines and Slope	4.6
	Non-Graphing Calculator	Graphing Linear Equations	4.7
14	Non-Graphing Calculator	Equations of Lines; Parallel and Perpendicular Lines	4.8
	Non-Graphing Calculator	Linear Inequalities in Two Variables	4.9
	Non-Graphing Calculator	Unit 4 Review	U4 Review
	Non-Graphing Calculator	Unit 4 Review Continued	U4 Review
15	Non-Graphing Calculator	Unit 4 Exam	U4 Exam
	Could Include both Calculator and Non-Calculator Parts	Fall Final Exam Review	Fall Final Review
	Could Include both Calculator and	Fall Final Exam Review	Fall Final Review

	Non-Calculator Parts		
	Could Include both Calculator and Non-Calculator Parts	Fall Final Exam Review	Fall Final Review
16	Could Include both Calculator and Non-Calculator Parts	Fall Final Exam	Fall Final Exam

Note: *This schedule is tentative and may be altered as deemed necessary by the instructor.*

Spring Semester			
Week #	No Calculator Allowed or Non-Graphing Calculator Allowed (Recommended TI-30XIIS)	Topics These are split up based on three total class hours per week. This could be: I. Four 45-minute classes per week. II. Two 90-minute classes per week. <i>**Note: Students will need to study and work on assignments outside of scheduled class time.**</i>	Assignment
1	Non-Graphing Calculator	Review of class policies and expectations.	
	Non-Graphing Calculator	Solving Quadratics by Factoring	5.1
	Non-Graphing Calculator	Solving Quadratics by the Square Root Method	5.2
	Non-Graphing Calculator	Solving Quadratics by Completing the Square	5.3
2	Non-Graphing Calculator	Solving Quadratics by the Quadratic Formula	5.4
	Non-Graphing Calculator	Mixed Solving for Quadratics	5.5
	Non-Graphing Calculator	Solving Quadratic-Like Equations	5.6
	Non-Graphing Calculator	Spring Cushion Day	
3	Non-Graphing Calculator	Graphing Quadratics in Vertex Form	5.7
	Non-Graphing Calculator	Graphing Quadratics in Standard Form (Completing the Square)	5.8
	Non-Graphing Calculator	Graphing Quadratics in Standard Form (Using the Formula)	5.9
	Non-Graphing Calculator	Spring Cushion Day	
4	Non-Graphing Calculator	Distance and Midpoint	5.10
	Non-Graphing Calculator	Circles	5.11
	Non-Graphing Calculator	Unit 5 Review	U5 Review
	Non-Graphing Calculator	Unit 5 Review Continued	U5 Review

5	Non-Graphing Calculator	Unit 5 Exam	U5 Exam
	Non-Graphing Calculator	Long Division of Polynomials	6.1
	Non-Graphing Calculator	Synthetic Division of Polynomials	6.2
	Non-Graphing Calculator	Roots of Polynomials	6.3
6	Non-Graphing Calculator	Finding Roots with the Rational Zero Theorem Part I	6.4
	Non-Graphing Calculator	Finding Roots with the Rational Zero Theorem Part II	6.5
	Non-Graphing Calculator	Spring Cushion Day	
	Non-Graphing Calculator	Graphing Polynomials in Factored Form	6.6
7	Non-Graphing Calculator	Graphing Polynomials in Standard Form Part I	6.7
	Non-Graphing Calculator	Graphing Polynomials in Standard Form Part II	6.8
	Non-Graphing Calculator	Spring Cushion Day	
	Non-Graphing Calculator	Graphing Rational Functions Part I	6.9
8	Non-Graphing Calculator	Graphing Rational Functions Part II	6.10
	Non-Graphing Calculator	Solving Polynomial Inequalities	6.11
	Non-Graphing Calculator	Solving Rational Inequalities	6.12
	Non-Graphing Calculator	Unit 6 Review	U6 Review
9	Non-Graphing Calculator	Unit 6 Review Continued	U6 Review
	Non-Graphing Calculator	Spring Cushion Day	
	Non-Graphing Calculator	Unit 6 Exam	U6 Exam
	Could Include both Calculator and Non-Calculator Parts	Exponential Equations and Functions	7.1
10	Could Include both Calculator and Non-Calculator Parts	Logarithmic Functions	7.2
	Could Include both Calculator and Non-Calculator Parts	Properties of Logs	7.3

	Could Include both Calculator and Non-Calculator Parts	Solving Exponential Equations	7.4
	Could Include both Calculator and Non-Calculator Parts	Spring Cushion Day	
11	Could Include both Calculator and Non-Calculator Parts	Solving Logarithmic Equations	7.5
	Could Include both Calculator and Non-Calculator Parts	More Practice with Solving Logs and Exponentials	7.6
	Non-Graphing Calculator	Applications of Exponential Equations	7.7
	Could Include both Calculator and Non-Calculator Parts	Unit 7 Review	U7 Review
12	Could Include both Calculator and Non-Calculator Parts	Unit 7 Review Continued	U7 Review
	Could Include both Calculator and Non-Calculator Parts	Unit 7 Exam	U7 Exam
	Non-Graphing Calculator	Solving Systems of Linear Equations in Two Variables (Graphing and Substitution)	8.1
	Non-Graphing Calculator	Solving Systems of Linear Equations in Two Variables (Addition/Elimination)	8.2
13	Non-Graphing Calculator	Solving Systems of Linear Equations in Three Variables (Addition)	8.3
	Non-Graphing Calculator	Gauss-Jordan Elimination	8.4
	Non-Graphing Calculator	Gauss-Jordan Elimination	8.5
	Non-Graphing Calculator	Spring Cushion Day	
14	Non-Graphing Calculator	Cramer's Rule (diagonals)	8.6
	Non-Graphing Calculator	Nonlinear Systems of Equations	8.7
	Non-Graphing Calculator	Systems of Inequalities (Linear and Nonlinear)	8.8

	Non-Graphing Calculator	Unit 8 Review	U8 Review
15	Could Include both Calculator and Non-Calculator Parts	Unit 8 Exam	U8 Exam
	Could Include both Calculator and Non-Calculator Parts	Final Exam Review	Final Review
	Could Include both Calculator and Non-Calculator Parts	Final Exam Review	Final Review
	Could Include both Calculator and Non-Calculator Parts	Final Exam Review	Final Review
16	Could Include both Calculator and Non-Calculator Parts	Final Exam	Final Exam

Note: This schedule is tentative and may be altered as deemed necessary by the instructor.

Grades

- The grade for this course will be derived from grades from the Fall 2023 semester and the Spring 2024 semester.
- Students will only receive a course grade from SPC for the Spring 2024 semester.
- Grades from unit exams and final exam from the Fall 2023 semester will carry over into the Spring 2024 semester.

Fall 2023

- Daily Grades
 - The teacher / facilitator of the course will be in charge of administering daily grades for the fall semester.
 - Daily grades for the fall semester will not be used for calculating course grade.
- Unit Exams
 - 5 @ 4 points each = 20 points
 - Use Proctorio. Web cam and Chrome required
- Final Exam
 - 1 @ 10 points = 10 points
 - Use Proctorio. Web cam and Chrome required

Spring 2024

- Daily Grades
 - 10 @ 1 points each = 10 points
 - 4 @ 1.25 points each = 5 points **extra credit**
- Unit Exams
 - 5 @ 4 points each = 20 points
 - Use Proctorio. Web cam and Chrome required
- Final Exam
 - 1 @ 10 points = 10 points
 - Use Proctorio. Web cam and Chrome required