Course Schedule

- **Quizzes** are due at 11:59 PM Central Time.
- **Testing**
  - **The Midterm** will be taken on Friday, March 20, at 1:00pm in PKH308.
  - **The Final Exam** will be taken on Friday, May 15, at 11:00am in PKH308.
  - Please make appropriate arrangements. It is advised to arrive at least 15 minutes prior to the testing time. Doors of the Emporium will be locked at 1:15pm and 11:15am respectively, and late testing will not be allowed.

Pretest Assignment

Assignments, Quizzes, Test	Assignment Description	Recommended Due Date (CST)	Absolute Due Date (CST)
Pretest #1 – Diagnostic only, No grade	50 questions, no time limit	Friday, Jan 23	Sunday, Feb 1

Midterm Unit

Day of the Week	Lecture Date	Activity/Section Covered
Friday	Jan 23	1.1 Find the perimeter and area of rectangles, squares, triangles, and composite shapes.
Friday	Jan 23	1.2 Use square roots, problem solving skills, and the Pythagorean Theorem to determine unknown lengths.
Friday	Jan 23	1.3 Apply the appropriate formula for applications.
Monday	Jan 26	1.4 Convert between metric and U.S. customary units using unit fractions and operations.
Monday	Jan 26	1.5 Determine the correct unit measurement and make inferences about reasonable dosage requirements.
Monday	Jan 26	1.6 Use formulas to convert between Celsius and Fahrenheit temperatures.
Wednesday	Jan 28	2.1 Evaluate exponential expressions, use order of operations, and inequality symbols.
Wednesday	Jan 28	2.2 Translate between word statements and mathematical symbols.
Friday	Jan 30	2.3 Simplify absolute value expressions.
Friday	Jan 30	2.4 Add, subtract, multiply, and divide signed numbers.
Friday	Jan 30	2.5 Identify and illustrate properties of the real number system.
Monday	Feb 2	2.6 Simplify expressions by combining like terms.

Associated Assignment

Assignments, Quizzes, Test	Assignment Description	Recommended Due Date (CST)	Absolute Due Date (CST)
Quiz #1	25 questions, 80 minutes	Friday, Feb 6	Sunday, Feb 8

Midterm Unit

Day of the Week	Lecture Date	Activity/Section Covered
Wednesday	Feb 4	3.1 Solve linear equations containing both integer and fractional values.
Wednesday	Feb 4	3.2 Solve linear equations that are conditional, identities, and contradictions.
Friday	Feb 6	3.3 Solve for a specified variable.
Friday	Feb 6	3.4 Determine the appropriate formula for applications of linear equations.
Monday	Feb 9	3.5 Use and understand set notation involving intersections and unions.
Monday	Feb 9	3.6 Solve linear inequalities.
Wednesday	Feb 11	3.7 Use and understand interval notation and graph solutions on the real number line.
Wednesday	Feb 11	3.8 Solve absolute value equations and inequalities.
Friday	Feb 13	4.1 Learn the characteristics of the Cartesian coordinate system and linear equations in two-variables.
Friday	Feb 13	4.2 Read and interpret graphs.
Monday	Feb 16	4.3 Calculate the slope of a line given two points, an equation, or the graphical representation.
Monday	Feb 16	4.4 Interpret slope as an average rate of change.
Monday	Feb 16	4.5 Use slope to determine parallel and perpendicular lines.
Wednesday	Feb 18	4.6 Find the slope-intercept, point-slope, and standard forms of a linear equation.
Friday	Feb 20	4.7 Evaluate intercepts and build tables of ordered pairs.
Friday	Feb 20	4.8 Graph lines using points, intercepts, and slope.

Associated Assignment

Assignments, Quizzes, Test	Assignment Description	Recommended Due Date (CST)	Absolute Due Date (CST)
Quiz #2	20 questions, 85 minutes	Wednesday, Feb 25	Sunday, Mar 1

Midterm Unit

Day of the Week	Lecture Date	Activity/Section Covered
Monday	Feb 23	5.1 Define and identify relations and functions.
Monday	Feb 23	5.2 State the domain and range of a function.
Wednesday	Feb 25	5.3 Evaluate functions using function notation.
Wednesday	Feb 25	5.4 Graph linear functions.
Friday	Feb 27	6.1 Illustrate the product, power, and quotient rules of exponents.
Friday	Feb 27	6.2 Manipulate negative exponents and use combinations of rules.
Monday	Mar 2	6.3 Simplify and evaluate polynomials.
Monday	Mar 2	6.4 Add and subtract polynomials by combining like terms.

Wednesday	Mar 4	6.5 Multiply and find special products of polynomials.
Friday	Mar 6	6.6 Divide polynomials by a monomial and a polynomial.

Associated Assignment

Assignments, Quizzes, Test	Assignment Description	Recommended Due Date (CST)	Absolute Due Date (CST)
Quiz #3	15 questions, 65 minutes	Friday, Mar 13	Sunday, Mar 15
Assessment: Midterm Exam	30 questions, 120 minutes	**Friday, Mar 20, at 1:00pm in PKH308**	

Pretest Assignment

Assignments, Quizzes, Test	Assignment Description	Recommended Due Date (CST)	Absolute Due Date (CST)
Pretest #2 – Diagnostic only, No grade	50 questions, no time limit	Sunday, Mar 15	Sunday, Mar 22

Final Unit

Day of the Week	Lecture Date	Activity/Section Covered
Monday	Mar 16	7.1 Determine the greatest common factor.
Monday	Mar 16	7.2 Factor by grouping.
Wednesday	Mar 18	7.3 Factor a trinomial with different leading coefficients and greatest common factors.
Friday	Mar 20	7.4 Factor a trinomial using various methods.
Friday	Mar 20	7.5 Factor using special factoring formulas.
Monday	Mar 23	7.6 Use factoring to solve quadratic equations.
Monday	Mar 23	7.7 Solve additional problems involving geometric figures and Pythagorean applications.
Wednesday	Mar 25	8.1 Determine when a rational expression is undefined.
Wednesday	Mar 25	8.2 Find the numerical value of a rational expression.
Friday	Mar 27	8.3 Simplify a rational expression.
Friday	Mar 27	8.4 Identify the least common denominator of rational expressions.
Monday	Mar 30	8.5 Add, subtract, multiply and divide rational expressions.
Monday	Mar 30	8.6 Simplify complex fractions.
Wednesday	Apr 1	8.7 Evaluate expressions with radicals and rational exponents.
Wednesday	Apr 1	8.8 Simplify radical expressions and expressions with rational exponents.
Friday	Apr 3	8.9 Add, subtract, multiply, and divide radical expressions.
Monday	Apr 6	8.10 Rationalize denominators.
Monday	Apr 6	8.11 Write square roots of negative numbers in the form bi.
Wed, Fri	Apr 8, 10	8.12 Solve equations involving rational expressions and radical expressions.

Associated Assignment

Assignments, Quizzes, Test	Assignment Description	Recommended Due Date (CST)	Absolute Due Date (CST)
Quiz #4	25 questions, 110 minutes	Wed, Apr 15	Sunday, Apr 19

Final Unit

Day of the Week	Lecture Date	Activity/Section Covered
Monday	Apr 13	9.1 Solve quadratic equations using factoring, square root property, completing the square, and the quadratic formula.
Wednesday	Apr 15	9.2 Graph basic quadratic equations.
Wednesday	Apr 15	9.3 Determine domain and range for a quadratic function.
Wednesday	Apr 15	9.4 Use function notation for quadratics.
Friday	Apr 17	10.1 Evaluate solutions of linear systems.
Friday	Apr 17	10.2 Solve linear systems in two variables by graphing.
Friday	Apr 17	10.3 Identify special linear systems in two variables.
Monday	Apr 20	10.4 Solve linear systems in two variables using substitution.
Wednesday	Apr 22	10.5 Solve linear systems in two variables using elimination.

Associated Assignment

Assignments, Quizzes, Test	Assignment Description	Recommended Due Date (CST)	Absolute Due Date (CST)
Quiz #5	15 questions, 65 minutes	Friday, Apr 24	Sunday, Apr 26

Final Unit

Day of the Week	Lecture Date	Activity/Section Covered
Friday	Apr 24	11.1 Convert between fractions, decimals, and percentages.
Friday	Apr 24	11.2 Solve problems using a percent proportion.
Friday	Apr 24	11.3 Calculate simple interest.
Monday	Apr 27	11.4 Solve applications about sales tax and commission.
Wednesday	Apr 29	12.1 Identify patterns and apply inductive reasoning.
Wednesday	Apr 29	12.2 Use recursion formulas and factorial notation.
Friday	May 1	12.3 Evaluate conditional and biconditional statements.
Friday	May 1	12.4 Apply deductive reasoning skills.

Associated Assignment

Assignments, Quizzes, Test	Assignment Description	Recommended Due Date (CST)	Absolute Due Date (CST)
Quiz #6	25 questions, 60 minutes	Saturday, May 2	Sunday, May 3
Assessment: Final Exam	30 questions, 120 minutes	**Friday, May 15, 11:00am in PKH308**	