The University of Texas
**ARLINGTON**™

# Course Schedule

- **Orientation Assignment in MLP**:  Complete as soon as possible
- **Quizzes** are due at 11:59 PM Central Time.
- **Testing**
  - **The Midterm and the Final Exam** will be taken in the Math Emporium Computer Lab PKH (308) on the assigned date.  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 15 minutes after the start of the exam and late testing will not be allowed.**

## Pretest Assignment

| Assignments, Quizzes, Test | Assignment Description | Due Date (CST) |
|---|---|---|
| Pretest #1 –  Diagnostic only, No grade | 50 questions, no time limit | Complete as soon as possible |

## Midterm Unit

| Day of the Week | Lecture Date | Activity/Section Covered |
|---|---|---|
| **Tuesday** | August 30 | 1.1 Find the perimeter and area of rectangles, squares, triangles, and composite shapes. |
| **Tuesday** | August 30 | 1.2 Use square roots, problem solving skills, and the Pythagorean Theorem to determine unknown lengths. |
| **Tuesday** | August 30 | 1.3 Apply the appropriate formula for applications. |
| **Thursday** | September 1 | 1.4 Convert between metric and U.S. customary units using unit fractions and operations. |
| **Thursday** | September 1 | 1.5 Determine the correct unit measurement and make inferences about reasonable dosage requirements. |
| **Thursday** | September 1 | 1.6 Use formulas to convert between Celsius and Fahrenheit temperatures. |

## Associated Assignment

| Assignments, Quizzes, Test | Assignment Description | Due Date (CST) |
|---|---|---|
| **Quiz #1** | 10 questions, 60 minutes | Tuesday, September 6 |

## Midterm Unit

| Day of the Week | Lecture Date | Activity/Section Covered |
|---|---|---|
| **Tuesday** | September 6 | 2.1 Evaluate exponential expressions, use order of operations, and inequality symbols. |

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| **Tuesday** | September 6 | 2.2 Translate between word statements and mathematical symbols. |
| **Thursday** | September 8 | 2.3 Simplify absolute value expressions. |
| **Thursday** | September 8 | 2.4 Add, subtract, multiply, and divide signed numbers. |
| **Tuesday** | September 13 | 2.5 Identify and illustrate properties of the real number system. |
| **Tuesday** | September 13 | 2.6 Simplify expressions by combining like terms. |

## Associated Assignment

| Assignments, Quizzes, Test | Assignment Description | Due Date (CST) |
|---|---|---|
| **Quiz #2** | 15 questions, 60 minutes | Tuesday, September 20 |

## Midterm Unit

| Day of the Week | Lecture Date | Activity/Section Covered |
|---|---|---|
| **Thursday** | September 15 | 3.1 Solve linear equations containing both integer and fractional values. |
| **Tuesday** | September 20 | 3.2 Solve linear equations that are conditional, identities, and contradictions. |
| **Thursday** | September 22 | 3.3 Solve for a specified variable. |
| **Thursday** | September 22 | 3.4 Determine the appropriate formula for applications of linear equations. |
| **Tuesday** | September 27 | 3.5 Use and understand set notation involving intersections and unions. |
| **Tuesday** | September 27 | 3.6 Solve linear inequalities. |
| **Tuesday** | September 27 | 3.7 Use and understand interval notation and graph solutions on the real number line. |

## Associated Assignment

| Assignments, Quizzes, Test | Assignment Description | Due Date (CST) |
|---|---|---|
| **Quiz #3** | 10 questions, 60 minutes | Tuesday, October 4 |

## Midterm Unit

| Day of the Week | Lecture Date | Activity/Section Covered |
|---|---|---|
| **Thursday** **Tuesday** | September 29 October 4 | 4.1 Learn the characteristics of the Cartesian coordinate system and linear equations in two-variables. |
| **Thursday** **Tuesday** | September 29 October 4 | 4.2 Read and interpret graphs. |
| **Thursday** **Tuesday** | September 29 October 4 | 4.3 Calculate the slope of a line given two points, an equation, or the graphical representation. |

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| **Thursday**<br>**Tuesday** | September 29<br>October 4 | 4.4 Interpret slope as an average rate of change. |
| **Thursday**<br>**Tuesday** | September 29<br>October 4 | 4.5 Find the slope-intercept, point-slope, and standard forms of a linear equation. |
| **Thursday**<br>**Tuesday** | September 29<br>October 4 | 4.6 Evaluate intercepts and build tables of ordered pairs. |
| **Thursday**<br>**Tuesday** | September 29<br>October 4 | 4.7 Graph lines using points, intercepts, and slope. |

## Associated Assignment

| Assignments, Quizzes, Test | Assignment Description | Due Date (CST) |
|---|---|---|
| **Quiz #4** | 12 questions,<br>60 minutes | Tuesday, October 11 |

## Midterm Unit

| Day of the Week | Lecture Date | Activity/Section Covered |
|---|---|---|
| **Thursday** | October 6 | 5.1 Define and identify relations and functions. |
| **Thursday** | October 6 | 5.2 State the domain and range of a function. |
| **Thursday** | October 6 | 5.3 Evaluate functions using function notation. |
| **Thursday** | October 6 | 5.4 Graph linear functions. |

## Associated Assignment

| Assignments, Quizzes, Test | Assignment Description | Due Date (CST) |
|---|---|---|
| **Quiz #5** | 10 questions,<br>60 minutes | Tuesday, October 11 |
| **Assessment: Midterm Exam** | 30 questions,<br>120 minutes | Thursday, October 13, 7:30 in PKH308 |

## Pretest Assignment

| Assignments, Quizzes, Test | Assignment Description | Due Date (CST) |
|---|---|---|
| Pretest #2 –  Diagnostic only, No grade | 50 questions,<br>no time limit | As soon as possible after your midterm exam |

## Final Unit

| Day of the Week | Lecture Date | Activity/Section Covered |
|---|---|---|
| **Tuesday** | October 18 | 6.1 Illustrate the product, power, and quotient rules of exponents. |
| **Thursday** | October 20 | 6.2 Manipulate negative exponents and use combinations of rules. |
| **Tuesday** | October 25 | 6.3 Simplify and evaluate polynomials. |

| Tuesday | October 25 | 6.4 Add and subtract polynomials by combining like terms. |
| Thursday | October 27 | 6.5 Multiply and find special products of polynomials. |
| Thursday | October 27 | 6.6 Divide polynomials by a monomial. |

## Associated Assignment

| Assignments, Quizzes, Test | Assignment Description | Due Date (CST) |
|---|---|---|
| Quiz #6 | 10 questions, 60 minutes | Tuesday, November 1 |

## Final Unit

| Day of the Week | Lecture Date | Activity/Section Covered |
|---|---|---|
| Tuesday Thursday | November 1 November 3 | 7.1 Determine the greatest common factor. |
| Tuesday Thursday | November 1 November 3 | 7.2 Factor by grouping. |
| Tuesday Thursday | November 1 November 3 | 7.3 Factor a trinomial with different leading coefficients and greatest common factors. |
| Tuesday Thursday | November 1 November 3 | 7.4 Factor a trinomial using various methods. |
| Tuesday Thursday | November 1 November 3 | 7.5 Factor using special factoring formulas. |
| Tuesday Thursday | November 8 November 10 | 7.6 Use factoring to solve quadratic equations. |
| Tuesday Thursday | November 8 November 10 | 7.7 Solve additional problems involving geometric figures and Pythagorean applications. |

## Associated Assignment

| Assignments, Quizzes, Test | Assignment Description | Due Date (CST) |
|---|---|---|
| Quiz #7 | 10 questions, 60 minutes | Tuesday, November 15 |

## Final Unit

| Day of the Week | Lecture Date | Activity/Section Covered |
|---|---|---|
| Tuesday Thursday | November 8 November 10 | 8.1 Solve quadratic equations using factoring, square root property, and the quadratic formula. |
| Tuesday | November 15 | 8.2 Graph basic quadratic equations. |
| Tuesday | November 15 | 8.3 Determine domain and range for a quadratic function. |
| Tuesday | November 15 | 8.4 Use function notation for quadratics. |

## Associated Assignment

| Assignments, Quizzes, Test | Assignment Description | Due Date (CST) |
|---|---|---|
| **Quiz #8** | 10 questions, 60 minutes | Tuesday, November 22 |

## Final Unit

| Day of the Week | Lecture Date | Activity/Section Covered |
|---|---|---|
| **Thursday** | November 17 | 9.1 Convert between fractions, decimals, and percentages. |
| **Thursday** | November 17 | 9.2 Solve problems using a percent proportion. |
| **Thursday** | November 17 | 9.3 Calculate simple interest. |
| **Thursday** | November 17 | 9.4 Solve applications about sales tax and commission. |

## Associated Assignment

| Assignments, Quizzes, Test | Assignment Description | Due Date (CST) |
|---|---|---|
| **Quiz #9** | 12 questions, 60 minutes | Tuesday, November 29 |

## Final Unit

| Day of the Week | Lecture Date | Activity/Section Covered |
|---|---|---|
| **Tuesday** | November 22 | 10.1 Identify patterns and apply inductive reasoning. |
| **Tuesday** | November 22 | 10.2 Use recursion formulas and factorial notation. |
| **Tuesday** | November 29 | 10.3 Evaluate conditional and biconditional statements. |
| **Tuesday** | November 29 | 10.4 Apply deductive reasoning skills. |

## Associated Assignment

| Assignments, Quizzes, Test | Assignment Description | Due Date (CST) |
|---|---|---|
| **Quiz #10** | 13 questions, 60 minutes | Tuesday, December 6 |
| **Assessment: Final Exam** | 30 questions, 120 minutes | Tuesday, December 13, 5:30pm in PKH308 |

As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course.  Therefore all dates and assignments are subject to change.  Students will be notified in advance of any changes or adjustments. – Mrs. Sarah Hawkins