

## Course Schedule – MATH 1710

For Math 1710, the following schedule is provided for general information. Your instructor may change sequencing and the exact amount of time per topic.

	Topics
<b>Session 1</b>	Orientation; Introduction to Functions and Graphs
<b>Session 2</b>	Linear Functions and Models
<b>Session 3</b>	Linear Functions and Models
<b>Session 4</b>	Equations of Lines
<b>Session 5</b>	Linear Equations
<b>Session 6</b>	Linear Regression
<b>Session 7</b>	Linear Inequalities
<b>Session 8</b>	<b>Test 1</b>
<b>Session 9</b>	Absolute Value Equations
<b>Session 10</b>	Absolute Value Inequalities
<b>Session 11</b>	Quadratic Functions and the Quadratic Equations
<b>Session 12</b>	Modeling with Quadratic Functions
<b>Session 13</b>	Quadratic Inequalities
<b>Session 14</b>	Transformations of Graphs
<b>Session 15</b>	Polynomial Models
<b>Session 16</b>	Rational Functions, Vertical and Horizontal Asymptotes
<b>Session 17</b>	<b>Test 2</b>
<b>Session 18</b>	Combinations of functions: Arithmetic and Composition
<b>Session 19</b>	Inverse functions
<b>Session 20</b>	Exponential Functions and Models
<b>Session 21</b>	Logarithmic Functions and Models
<b>Session 22</b>	Properties of Logarithms
<b>Session 23</b>	Properties of Logarithms and Change of Base Formula
<b>Session 24</b>	Using the Results of Regression
<b>Session 25</b>	Exponential and Logarithmic Equations
<b>Session 26</b>	Exponential and Logarithmic Equations
<b>Session 27</b>	<b>Test 3</b>
<b>Session 28</b>	Functions and Systems of Equations
<b>Session 29</b>	Applications of Systems of Equations
<b>Session 30</b>	Systems of Linear Equations in Two Variables
<b>Session 31</b>	Systems of Linear Equations in Three Variables
<b>Session 32</b>	Solutions of Systems using Matrices and Gauss-Jordan Elimination
<b>Session 33</b>	Applications of Systems of Linear Equations
<b>Session 34</b>	Inverses of Matrices
<b>Session 35</b>	Counting
<b>Session 36</b>	Counting
<b>Session 37</b>	Probability
<b>Session 38</b>	Probability
<b>Session 39</b>	<b>Test 4</b>
<b>Session 40</b>	Final Exam Review
<b>Session 41</b>	Final Exam Review

