**MATH 0310 Tentative Calendar**

|  |  |  |
| --- | --- | --- |
| **Date** | **Section** | **Topic** |
| Week 1 | 3.1  3.2 | Syllabus  Linear Inequalities in One Variable  Compound Inequalities in One Variable |
| Week 2 | 3.3  4.1  4.2 | Absolute Value Equations and Inequalities  Introduction to Linear Equations in Two Variables  Slope of a Line and Slope-Intercept Form |
| Week 3 | 4.3  4.4 | Writing an Equation of a Line  Linear and Compound Linear Inequalities in Two Variables |
| Week 4 | 4.5 | Introduction to Functions  **Test 1 (Sections 3.1-3.3, 4.1-4.5)** |
| Week 5 | 7.1  7.2  7.3 | The Greatest Common Factor and Factoring by Grouping  Factoring Trinomials  Special Factoring Techniques |
| Week 6 | 7.4  7.5  8.1 | Solving Quadratic Equations by Factoring  Application of Quadratic Equations  Simplifying, Multiplying, and Dividing Rational Expressions and Functions |
| Week 7 | 8.2  8.3 | Adding and Subtracting Rational Expressions  Simplifying Complex Fractions |
| Week 8 | 8.4  8.5 | Solving Rational Equations  Applications of Rational Equations |
| Week 9 | 9.1  9.2 | **Test 2 (Sections 7.1-7.5, 8.1-8.5)**  Radical Expressions and Functions  Rational Exponents |
| Week 10 | 9.3  9.4 | Simplifying Expressions Containing Square Roots  Simplifying Expressions Containing Higher Roots |
| Week 11 | 9.5  9.6 | Adding, Subtracting, and Multiplying Radicals  Dividing Radicals |
| Week 12 | 9.7  9.8 | Solving Radical Equations  Complex Numbers  **Test 3 (Sections 9.1-9.7)** |
| Week 13 | 10.1  10.2  10.3 | The Square Root Property and Completing the Square  The Quadratic Formula  Equations in Quadratic Form |
| Week 14 | 10.4  10.5  10.6 | Formulas and Applications  Quadratic Functions and their Graphs  Application of Quadratic Functions and Graphing Other Parabolas (*optional - time permitting)* |
| Week 15 |  | **Test 4 (Sections 9.8, 10.1-10.6)**  Review – Final Exam |