

Master Schedule

Fall 2017

TECM 119 - Technical Mathematics

CRISP Technology Center

Computer Lab - Room 124

Monday Evenings - 4:30 PM to 7:30 PM

August 14th to December 7th, 2016

Be sure to read the course material found in the textbook *before* starting on the *homework assignments* for each section.

Chapter	Week	Assignment	Classroom Activities
Chapter 1	Week 1	1. Signed Numbers 1.1 Signed Numbers 1.2 Addition and Subtraction of Signed Numbers 1.3 Multiplication and Division of Signed Numbers 1.4 Powers and Roots 1.5 Order of Operations 1.6 Scientific Notation 1.7 Problem-Solving Strategies Chapter 1 Test	<ul style="list-style-type: none"> Discuss: Syllabus Master Schedule Review Chapter 1 <p>The student must achieve a score of 70% or higher on the Chapter 1 test BEFORE proceeding to Chapter 2.</p>
Test 1 and Chapter 1 Homework <i>will close on:</i> Monday, Aug 21 at 11:00 PM			
Chapter 2	Week 2	2. Units of Measurement and Approximate Numbers 2.1 Working with Units of Measure 2.2 Units of Measure: The Metric System 2.3 Reduction and Conversion of Units 2.4 Approximate Numbers and Significant Digits Chapter 2 Test	<ul style="list-style-type: none"> Review Chapter 2 <p>The student must achieve a score of 70% or higher on the Chapter 2 test BEFORE proceeding to Chapter 3.</p>
Test 2 and Chapter 2 Homework <i>will close on:</i> Monday, Aug 28 at 11:00 PM			
Chapter 3	Week 3	3. Introduction to Algebra 3.1 Working with Formulas 3.2 Basic Algebraic Expressions 3.3 Addition and Subtraction of Algebraic Expressions 3.4 Multiplication of Algebraic Expressions 3.5 Division of Algebraic Expressions Chapter 3 Test	<p>NOTE: NO CLASS ON SEPT 4th LABOR DAY</p> <ul style="list-style-type: none"> Review Chapter 3 <p>The student must achieve a score of 70% or higher on the Chapter 3 test BEFORE proceeding to Chapter 4.</p>
Test 3 and Chapter 3 Homework <i>will close on:</i> Monday, Sept 11 at 11:00 PM			
Chapter 4	Week 4	4. Simple Equations and Inequalities 4.1 Solving a Simple Equation 4.2 Simple Formulas and Literal Equations 4.3 Simple Equations 4.4 Problem-Solving Strategies and Word Problems 4.5 Ratio, Proportion, and Variation Chapter 4 Test	<ul style="list-style-type: none"> Review Chapter 4 <p>The student must achieve a score of 70% or higher on the Chapter 4 test BEFORE proceeding to Chapter 6.</p> <p>NOTE: Chapter 5 will be SKIPPED.</p>
Test 4 and Chapter 4 Homework <i>will close on:</i> Monday, Sept 18 at 11:00 PM			
Chapter 6	Week 5	6. Introduction to Geometry 6.1 Basic Geometric Figures 6.2 Perimeter 6.3 Area 6.4 Volume Chapter 6 Test	<ul style="list-style-type: none"> Review Chapter 6 <p>The student must achieve a score of 70% or higher on the Chapter 6 test BEFORE proceeding to Chapter 7.</p>
Test 6 and Chapter 6 Homework <i>will close on:</i> Monday, Sept 25 at 11:00 PM			
Chapter 7	Week 6 and 7	7. Simultaneous Linear Equations 7.1 Graphical Solutions of Two Simultaneous Equations 7.2 Substitution Method 7.3 Addition-Subtraction Method 7.4 Determinants in Two Equations 7.5 Problem Solving Using Systems of Linear Equations Chapter 7 Test	<ul style="list-style-type: none"> Review Chapter 7 <p>The student must achieve a score of 70% or higher on the Chapter 7 test BEFORE proceeding to Chapter 8.</p>
Test 7 and Chapter 7 Homework <i>will close on:</i> Monday, Oct 9 at 11:00 PM			

Chapter 8	Week 8	<p>8. Factoring</p> <p>8.1 The Distributive Property and Common Factors 8.2 Factoring Trinomials 8.3 Factoring General Trinomials 8.4 The Difference Between Two Squares 8.5 The Sum and Difference of Cubes</p> <p style="text-align: center;">Chapter 8 Test</p>	<ul style="list-style-type: none"> Review Chapter 8 <p>The student must achieve a score of 70% or higher on the Chapter 8 test BEFORE proceeding to Chapter 9.</p>
<p>Test 8 and Chapter 8 Homework <i>will close on:</i> Monday, Oct 16 at 11:00 PM</p>			
Chapter 9	Week 9	<p>9. Algebraic Fractions</p> <p>9.1 Equivalent Algebraic Fractions 9.2 Multiplication and Division of Algebraic Fractions 9.3 The Lowest Common Denominator 9.4 Addition and Subtraction of Algebraic Fractions 9.5 Solving Fractional Equations</p> <p style="text-align: center;">Chapter 9 Test</p>	<ul style="list-style-type: none"> Review Chapter 9 <p>The student must achieve a score of 70% or higher on the Chapter 9 test BEFORE proceeding to Chapter 10.</p>
<p>Test 9 and Chapter 9 Homework <i>will close on:</i> Monday, Oct 23 at 11:00 PM</p>			
Chapter 10	Week 10 and 11	<p>10. Exponents, Roots, and Radicals</p> <p>10.1 Integral Exponents 10.2 Fractional Exponents 10.3 Imaginary Roots 10.4 Simplifying Radicals 10.5 Operations with Radicals 10.6 Working with Radical Equations</p> <p style="text-align: center;">Chapter 10 Test</p>	<ul style="list-style-type: none"> Review Chapter 10 <p>The student must achieve a score of 70% or higher on the Chapter 10 test BEFORE proceeding to Chapter 11</p>
<p>Test 10 and Chapter 10 Homework <i>will close on:</i> Monday, Nov 6 at 11:00 PM</p>			
Chapter 11	Week 12	<p>11. Quadratic Equations</p> <p>11.1 The Quadratic Equation 11.2 Solving Quadratic Equations by Factoring 11.3 Completing the Square 11.4 Using the Quadratic Formula 11.5 Graphing the Function</p> <p style="text-align: center;">Chapter 11 Test</p>	<ul style="list-style-type: none"> Review Chapter 11 <p>The student must achieve a score of 70% or higher on the Chapter 10 test BEFORE proceeding to Chapter 13</p> <p>NOTE: Chapter 12 will be SKIPPED.</p>
<p>Test 11 and Chapter 11 Homework <i>will close on:</i> Monday, Nov 13 at 11:00 PM</p>			
Chapter 13	Week 13 and 14	<p>13. Geometry and Right Triangle Trigonometry</p> <p>13.1 Angles and Their Measure 13.2 Other Geometric Figures 13.3 Right Triangle and the Pythagorean Theorem 13.4 Similar Triangles 13.5 The Trigonometric Ratios 13.6 Values of the Trigonometric Ratios 13.7 Right Triangle Applications</p> <p style="text-align: center;">Chapter 13 Test</p>	<ul style="list-style-type: none"> Review Chapter 13 <p>The student must achieve a score of 70% or higher on the Chapter 13 test BEFORE proceeding to Chapter 14</p>
<p>Test 13 and Chapter 13 Homework <i>will close on:</i> Monday, Nov 27 at 11:00 PM</p>			
Chapter 14	Week 15	<p>14. Oblique Triangles and Vectors</p> <p>14.1 Trigonometric Functions of Any Angle 14.2 The Law of Sines 14.3 The Law of Cosines</p> <p style="text-align: center;">Chapter 14 Test</p> <p>NOTE: We are only covering the first three sections of Chapter 14.</p>	<ul style="list-style-type: none"> Review Chapter 14 <p>The student must achieve a score of 70% or higher on the Chapter 14 test BEFORE proceeding to the MICROMETER section.</p>
<p>Test 14 and Chapter 14 Homework <i>will close on:</i> Friday, Dec 01 at 11:00 PM</p>			
On BlackBoard	Week 16	<p>Reading the English and Metric Micrometer</p> <p>1. English Micrometer Basics 2. Metric Micrometer Basics 3. The Vernier Scale Applied the English and Metric Micrometers 4. Reading the Inside/Outside Calipers</p> <p style="text-align: center;">Micrometer Test</p> <p>NOTE: The test homework close on FRIDAY NOT the usual MONDAY.</p>	<ul style="list-style-type: none"> Reading the English and Metric Micrometers <p>The student must achieve a score of 70% or higher on the MICROMETER test BEFORE proceeding to the FINAL EXAM.</p>
<p>Micrometer Test and Micrometer Homework <i>will close on:</i> Friday, Dec 01 at 11:00 PM</p>			
		<p>FINAL EXAM will be given according to the KC final schedule.</p>	