

MAT 116 COURSE OUTLINE (Former MT 115)

- I. Measurement
 - A. Precision
 - B. Accuracy
 - C. Significant Digits
 - D. Conversion US customary – Metric
- II. Systems of Linear Equations
 - A. Addition Method
 - B. Substitution Method
- III. Variation
 - A. Ratio
 - B. Proportion
 - C. Direct Variation
 - D. Inverse Variation
 - E. Joint Variation
- IV. Geometry
 - A. Lines
 - B. Angles
 - C. Triangles and Other Polygons
 - D. Circles and Arcs
 - E. Congruency and Similarity
 - F. Solids – Surface and Volume
- V. Trigonometry
 - A. Trigonometric Functions for Right Triangles
 - B. Law of Sines
 - C. Law of Cosines
 - D. Compound Angles
 - E. Conversions between Coordinate Systems
 - F. Vector Concepts, Components and Addition