

# Outline Computer Aided Drafting Curriculum

- I. Measurement
  - 1. Customary System
  - 2. Metric System
  
- II. Multi-view Sketching
  - 1. Conveying Ideas
  - 2. Techniques
  - 3. Projections
  
- III. Decimal Conversions
  - 1. Fraction to Decimal
  - 2. Decimal to Fraction
  
- IV. AutoCAD Commands/Settings
  - 1. Load
  - 2. Save
  - 3. Print
  - 4. Draw
  - 5. Copy
  - 6. Hatch
  - 7. Offset
  - 8. Text
  - 9. Mirror
  - 10. Scale
  - 11. Snap
  - 12. Layer
  - 13. Chamfer
  - 14. Fillet
  - 15. Block
  - 16. Limits
  - 17.
  
- V. Coordinate Systems
  - 1. Polar
  - 2. Relative
  - 3. Absolute
  
- VI. Orthographic Drawings
  - 1. Projections
  - 2. Drawings

- VII. Dimensioning
  - 1. Rules
  - 2. ANSI Standards
  - 3. Procedures
  
- VIII. Cross Section/Slice
  - 1. Subtractions
  - 2. Drawings
  
- IX. Oblique Drawings
  - 1. Methods
  - 2. Drawings
  - 3. Dimensioning
  
- X. Auxiliary Drawings
  - 1. Methods
  - 2. Drawings
  - 3. Dimensioning
  
- XI. Isometric Drawings
  - 1. Methods
  - 2. Drawings
  - 3. Dimensioning
  
- XII. Solid Modeling
  - 1. Methods
  - 2. Revolve
  - 3. 3D-Orbit
  - 4. Extrude
  - 5. Subtract
  - 6. Drawings
  
- XIII. Advanced Functions
  - 1. Gears and Cams
  - 2. Threads and Bolts
  - 3. ANSI Standards
  - 4. Assembly
  - 5. Drawings
  
- XIV. Independent Project
  - 1. Real World Problem
  - 2. Multiple Solutions