

Rhino I – Summary

This is a summary of what will be covered in the 4 sessions of this course.

The actual Syllabus with specific reading assignments in the textbook, Rhino 5.0 for jewelry, and video links will be given to students in the class.

This course deals with the 2-Dimensional commands in Rhino for the creation of designs, technical drawings and layouts. 2-dimensional commands and their basic editing and transformation studied here will be essential for the 3-Dimensional courses that follow.

Textbook: *Rhino 5.0 for Jewelry*, by Dana Buscaglia

Week I

- Opening Rhino
- The Rhino Workspace
- Your Workspace – Document Properties and Creating a Template
- Rhino Options: Basic Settings
- Downloading Supporting Files from the rhinoforjewelry.com Website
- Downloading Rhino Training Files
- Viewport Navigation for 2-D Drawings
- Selecting and De-Selecting Objects
- Join Command
- Anatomy of a Line and a Polyline
- Anatomy of a Circle
- Ortho and Grid Snap Modes
- Object Snap “Osnap”
- Analysis Commands
- Applying Dimensions
- Move and Copy Commands
- Trim Command
- From a Polyline to a Butterfly

Week II

- Stone and Prong Layout
- Intro to Some More Basic 2-D Shapes
 - Ellipse
 - Rectangle
 - Polygon
 - Star
- Rotate Command
- Tech Drawing – Pearl Ring
- Draw Order Commands

- Printing Technical Drawings
- Basic Printing Settings:
 - Linetypes
 - Color and Line Width

Week III

- Freeform Curves
- Picture Frame Command
- Creating Designs with the Leaf Tracing
- Polar Array Command:
- 1-D and 2-D Scaling

Week IV

- Arc Commands
- Technical Drawing – Necklace Layout
- Arraying Around a Square
- Arraying Along an Oval Center Stone
- Arraying Around a Freeform Curve
- Technical Drawing – Circular Brooch