

Learning Adobe Illustrator 2024

Module 1 Contents

Chapter 1: Introduction to Adobe Illustrator

The Adobe Illustrator Screen.....	1-1
The Toolbar	1-3
The Tool Groups	1-3
Adding Tools to the Toolbar.....	1-4
Including All the Tools	1-5
Drawing Lines	1-6
Tearing off a Tool Group.....	1-6
Drawing Different Line Types.....	1-7
Drawing Shapes	1-9
Drawing Rectangles.....	1-9
Drawing Ellipses.....	1-11
Drawing Polygons	1-11
Drawing Stars.....	1-12
The Flare Tool	1-13
Adjusting Shapes.....	1-14
Rulers and Grid	1-15
Drawing a Cone.....	1-16
Setting the Fill and Stroke Colours.....	1-16
Drawing an Oval	1-17
Drawing Lines	1-18
Drawing Arcs	1-19
Adjusting the Cone	1-20
Saving the Cone	1-20
Drawing a Truck.....	1-21
Starting a New Document.....	1-21
Using the Printing and Proofing Workspace.....	1-22
Drawing a Rectangle	1-23
Drawing Lines	1-24
Drawing the Wheels	1-25
The Screen Interface.....	1-28
Workspaces.....	1-29
Illustrator Assignment 1	1-30

Chapter 2: Text Tools

Starting a New Document.....	2-1
Entering Horizontal Text	2-1
Point Text	2-1
Altering Text	2-2
Area Type	2-4
Converting Point Text to Area Type.....	2-5
The Area Type Tool	2-6
Entering Vertical Text.....	2-8
Typing Text Along a Path	2-9
Drawing the Path.....	2-9
Entering the Path Text.....	2-9
Moving Text on a Path	2-11
The Touch Type Tool	2-12
Using Glyphs	2-13
Applying Quick Glyphs.....	2-13
Using the Glyphs Panel.....	2-14
Wrapping Text Around a Shape	2-15
Creating the Text Wrap Shape.....	2-15
The Wrapping Options	2-16
Managing Fonts	2-17
Variable Fonts	2-18
Using Text in Designs	2-20
Creating the Large Word.....	2-20
Creating the Smaller Word	2-22
Rotating Text	2-23
Adding Lines to Enclose the Headings.....	2-25
Using Tab Stops	2-26
Adding White Text on a Dark Background	2-28
Final Adjustments.....	2-29
Illustrator Assignment 2	2-30

Chapter 3: Combining Objects into Designs

Starting a New Document.....	3-1
Drawing a Calculator Key.....	3-1
Creating the Key	3-1
Adding a 3D Effect	3-2
Adding the Number	3-3
Grouping the Objects	3-4
Creating the Rest of the Keys	3-4
Changing the Text.....	3-5
Adding Oval Buttons.....	3-7
Duplicating the On/Off Key	3-9
Adding the Viewer Screen.....	3-11
Creating the Calculator Frame.....	3-11
Illustrator Assignment 3	3-14

Chapter 4: Drawing and Painting Tools

The Pencil Tool.....	4-1
The Smooth Features	4-2
The Smooth Tool.....	4-2
AutoSmooth.....	4-3
Simplifying Shapes	4-4
The Eraser Tool.....	4-6
The Width Tool.....	4-8
Drawing Some Paths	4-8
Applying the Width Tool	4-8
Altering Part of a Path's Width.....	4-9
The PaintBrush Tool	4-10
Drawing a Closed Shape	4-10
Brush Styles	4-11
The Brush Libraries.....	4-12
Brush Colours.....	4-14
The Live Paint Bucket	4-16
Filling Whole Shapes	4-16
Filling Parts of Shapes	4-18
Adjusting the Fill.....	4-20
Live Paint Bucket Exercise.....	4-22
The Join Tool.....	4-23
Illustrator Assignment 4	4-25

Chapter 5: The Blob Brush Tool

Using the Blob Brush Tool	5-1
Painting Shapes.....	5-1
Adjusting the Objects	5-2
Combining Objects.....	5-3
Splitting the Objects	5-4
Modifying Text With the Blob Brush Tool	5-4
Entering the Text.....	5-4
Converting the Text to a Shape	5-5
Adjusting the Letters.....	5-6
Creating Sketches.....	5-8
Drawing the First Grape	5-8
Adding the Stem.....	5-8
Adding a 3D Effect	5-10
Duplicating the Objects	5-10
Adjusting the Objects	5-11
Completing the Stems.....	5-12
Painting Inside or Outside Shapes	5-13
Illustrator Assignment 5	5-16

Chapter 6: Shape Edits, Fills and Effects

Starting a New Document.....	6-1
Editing Shapes.....	6-1
Anchor Points.....	6-1
The Selection Tools	6-3
Filling Objects	6-4
Strokes	6-6
Applying Stroke Colours	6-6
Stroke Alignment.....	6-6
Dashed Strokes.....	6-8
Swapping Fill and Stroke Colours.....	6-11
Gradient Fills.....	6-12
The Gradient Panel.....	6-12
Gradient Colours.....	6-13
Removing Gradient Sliders	6-16
The Gradient Tool	6-17
Editing Gradients	6-18
Radial Gradients	6-19
Applying Effects	6-20
Stroke Gradients	6-22
Freeform Gradients	6-24
Gradient Points.....	6-24
Gradient Lines.....	6-26
The Rotate Tool.....	6-27
Simple Rotating.....	6-27
Accurate Rotating.....	6-29
Rotating Outside a Shape.....	6-31
Illustrator Exercise 6	6-32
Illustrator Assignment 6	6-33

Chapter 7: The Shaper Tool

Drawing Shapes	7-1
Creating Regular Shapes.....	7-1
Editing Shapes and Fills.....	7-2
Adjusting Shapes.....	7-3
Combining Shapes.....	7-5
Drawing a Key.....	7-8
Creating the Top of the Key	7-8
Cutting a Hole.....	7-10
Cutting the Edges of the Key.....	7-11
Adding More Cut Outs.....	7-12
Adding a Vertical Line	7-16
Completing the Key.....	7-17
Adjusting the Shape.....	7-18
Illustrator Assignment 7	7-20

Chapter 8: The Shape Builder and Knife Tools

The Shape Builder Tool	8-1
Starting a New Document.....	8-1
Joining or Merging Shapes	8-1
Removing Parts of Shapes.....	8-3
Deleting Parts of Shapes.....	8-4
Filling Areas Between Shapes	8-6
Applying the Shape Builder Tool	8-9
Creating the Shape	8-9
Editing the New Shape	8-11
Filling the Shape	8-11
The Knife Tool.....	8-12
Loading a Prepared File.....	8-12
Cutting the First Oval	8-13
Cutting the Second Oval.....	8-14
Illustrator Assignment 8	8-16

Chapter 9: Images and Symbols

Starting a New Document.....	9-1
Using Images.....	9-1
Importing the Image.....	9-1
Adjusting the Image.....	9-2
Using Symbols	9-3
The Symbols Library	9-3
Adding Symbols to the Artboard.....	9-4
The Symbol Tools.....	9-5
Selecting the Symbol.....	9-5
Spraying the Symbol.....	9-6
The Symbol Shifter Tool	9-7
The Symbol Scruncher Tool	9-8
The Symbol Sizer Tool	9-9
The Symbol Spinner Tool	9-10
The Symbol Stainer Tool.....	9-11
The Symbol Screener Tool	9-12
The Symbol Styler Tool	9-13
Applying Styles to Individual Symbols	9-14
Editing Symbols	9-15
Adding Symbol Instances to the Artboard.....	9-15
Adjusting All Symbol Instances.....	9-17
Adjusting Just One Symbol Instance.....	9-18
Dynamic Symbols.....	9-19
Using Symbols to Create a Scene	9-22
Creating the background	9-22
Adding the Plants and Rocks.....	9-24
Adding Some Fish and Clouds.....	9-25
Illustrator Assignment 9	9-27

Chapter 10: Image Tracing

Starting a New Document.....	10-1
Tracing a Scanned Sketch.....	10-1
Importing the Scan.....	10-1
Tracing the Scan.....	10-2
Adjusting the Threshold.....	10-4
Advanced Settings	10-5
View Options.....	10-6
Expanding the Scan.....	10-6
Applying Live Paint.....	10-7
Adjusting for Gaps	10-9
Completing the Live Paint.....	10-11
Adding a Background	10-13
Reducing the Size of the Letter Box.....	10-13
Adding Some Lawn	10-13
Adjusting the White Background	10-14
Converting Photos to Artwork.....	10-17
Inserting the Photo.....	10-17
Tracing the Photo	10-17
The Tracing Options.....	10-18
Looking at the Image.....	10-19
Illustrator Assignment 10	10-20

Chapter 11: Distorting Shapes

Starting a New Document.....	11-1
Inserting a Symbol	11-1
Distorting Using the Free Transform Tool	11-2
Distorting Using the Liquify Tools	11-4
The Warp Tool	11-4
The Twirl Tool	11-6
The Pucker Tool	11-8
The Bloat Tool.....	11-10
The Scallop Tool	11-10
The Crystallize Tool	11-11
The Wrinkle Tool.....	11-12
Liquifying Text	11-13
Entering the Text.....	11-13
Applying a 3D Effect.....	11-14
Applying the Liquify Tools.....	11-15
The Puppet Warp Tool.....	11-17
Inserting a Symbol	11-17
Applying Some Puppet Warps.....	11-17
Adding and Removing Pins	11-19
Applying Puppet Warps to Shapes.....	11-21
Applying Puppet Warps to Text.....	11-22
Illustrator Assignment 11	11-25

Chapter 12: Blends and Paths

Starting a New Document.....	12-1
Creating Blends	12-1
Simple Blends	12-1
Blending Colours	12-3
Blending Options.....	12-4
The Blend Tool	12-5
Changing the Path of the Blend.....	12-7
Blending Symbols	12-8
Illustrator Exercise 12	12-12
The Pathfinder Panel	12-13
Creating a Shape.....	12-13
Using the Pathfinder Tools	12-13
Applying the Pathfinder Tools	12-15
Creating Shapes from Paths	12-18
Drawing a Spiral.....	12-18
Creating the Shape	12-19
Illustrator Assignment 12	12-22

Chapter 13: Using Layers

The Layers Panel	13-2
Naming Layers.....	13-3
Completing the House Layer	13-4
Turning on the Rulers and Grid	13-4
Drawing the House Outline	13-5
Adding the Roof.....	13-6
Adding the Chimney.....	13-7
Looking at the House Layer.....	13-8
Adding the Door Layer	13-9
Creating the Door Layer.....	13-9
Drawing the Door.....	13-10
Adding the Windows Layers.....	13-12
The Window 1 Layer	13-12
The Window 2 Layer	13-13
Looking at the Layers.....	13-15
Selecting Objects.....	13-15
Locking Layers	13-16
Layer Visibility	13-16
The Layer Stacking Order	13-17
Duplicating Layers	13-17
Deleting Layers.....	13-19
Illustrator Assignment 13	13-20

Module 2 Contents

Chapter 14: Perspective Drawing

Starting a New Document.....	14-1
The Perspective Grid	14-1
Displaying the Grid	14-1
The Different Perspective Grids.....	14-2
The View Lines	14-3
The Grid Planes.....	14-5
Adjusting the Grid Lines	14-6
The Vanishing Points	14-8
Drawing on the Perspective Grid.....	14-9
Drawing Shapes	14-9
Hiding the Perspective Grid.....	14-10
Inserting Symbols or Images.....	14-11
Drawing a Sketch.....	14-15
Applying the Perspective Grid.....	14-15
Drawing the Building	14-15
Adding Some Windows.....	14-16
Adding an Entrance	14-19
Adding a Footpath	14-20
Adding Some Trees.....	14-22
Expanding the Drawing	14-25
Illustrator Assignment 14	14-27

Chapter 15: Creating 3D Objects

Starting a New Document.....	15-1
Opening the 3D and Materials Panel	15-1
Looking at the 3D and Materials Panel.....	15-2
Flat 3D Objects	15-3
Extruding Shapes	15-5
Creating an Extrusion.....	15-5
The Cap Option	15-7
Adding Bevels	15-8
Rotating Extrusions.....	15-10
Illustrator Exercise 15-1	15-12
Revolving Shapes	15-13
Inflating Shapes	15-15
Materials	15-17
Applying Materials to Shapes	15-17
Material Properties.....	15-18
Lighting Effects.....	15-20
The Light Direction	15-20
Turning Shadows On.....	15-22
Illustrator Exercise 15-2	15-25
Applying 3D Effects to text.....	15-26
Illustrator Exercise 15-3	15-28
Rendering With Ray Tracing.....	15-29
Illustrator Assignment 15	15-30

Chapter 16: Text to Vector Graphic Generator

Starting a New Document.....	16-1
Looking at the Properties Panel	16-1
Inserting Subject Images.....	16-2
Entering a Prompt	16-2
Generating Extra Variations	16-3
Deleting Unwanted Images.....	16-4
Editing Images.....	16-5
Inserting Scenes.....	16-6
Setting the Scene Area	16-6
Setting a Style for a Generated Image	16-7
Setting the Detail of the Generated Image.....	16-7
Inserting the Scene.....	16-8
Inserting Icons	16-9
Setting the Icon Area.....	16-9
Obtaining Sample Prompts	16-10
Inserting Patterns	16-11
Creating a Detailed Scene	16-13
Inserting the Background Scene.....	16-13
Adding a Cow to the Scene	16-14
Inserting Bumblebees.....	16-15
Inserting a Jogger	16-16
Generative Recolour.....	16-18
The Text to Vector Graphic Panel	16-20
Illustrator Assignment 16	16-21

Chapter 17: Shadows and Reflections

Starting a New Document.....	17-1
Creating Shadows	17-1
Inserting a Sample Image.....	17-1
Applying a Simple Drop Shadow.....	17-2
Creating Custom Shadows.....	17-3
Applying a Blur.....	17-5
Creating Reflections	17-6
Inserting the Image	17-6
Reflecting the Car	17-7
Applying a Gradient to the Reflection	17-8
Fading the Reflection.....	17-9
Illustrator Assignment 17	17-12

Chapter 18: The Pen Tool

Starting a New Document.....	18-1
Drawing Straight Paths With the Pen Tool.....	18-1
Drawing Curved Paths	18-3
Drawing Multiple Connected Curves.....	18-5
Adjusting Shapes.....	18-6
Adjusting the Anchor Points	18-6
Adding Anchor Points.....	18-7
Deleting Anchor Points	18-8
Drawing Straight Lines and Curves.....	18-8
Drawing a Straight Line Followed by a Curve	18-8
Drawing Straight Lines After Curves	18-9
Pen Tool Support Keys	18-10
The Spacebar.....	18-10
The Shift Key.....	18-11
The Alt or Option Key.....	18-12
The Ctrl or Command Key	18-13
Combining Segments.....	18-15
Tracing an Object	18-16
Loading the Object.....	18-16
Tracing the back of the Object	18-17
Tracing the Tail.....	18-17
Tracing the Rump	18-18
Tracing the Back Leg	18-19
Completing the Outline	18-20
Tracing the Eye and Inner Ear.....	18-21
Adding the Mouth.....	18-22
Looking at the Trace	18-22
Illustrator Assignment 18	18-25

Chapter 19: The Curvature Tool

Starting a New Document.....	19-1
Drawing Simple Curves	19-1
Combining Curves into Shapes	19-3
Editing Curves.....	19-4
Drawing Straight Paths.....	19-5
Creating a Reflected Shape.....	19-7
Creating One Side of the Shape	19-7
Reflecting the Shape	19-8
Tracing an Object	19-9
Opening the Image.....	19-9
Creating the Trace	19-10
Illustrator Assignment 19	19-14

Chapter 20: Adding Content to 3D Objects

Adding Text to 3D Shapes	20-1
Opening the Template.....	20-1
Converting the Path to a 3D shape	20-1
Adding the Text to the Bottle.....	20-3
Adjusting the Text	20-5
Adding Content to Boxes.....	20-7
Opening the Template.....	20-7
Adding Content to the Front of the Box.....	20-8
Adding Content to the Side of the Box.....	20-10
Adding Content to the Top of the Box.....	20-11
Illustrator Exercise 20	20-14
Rendering the Box.....	20-14
The Mockup Option.....	20-15
Opening the Template.....	20-15
Combining the Objects	20-15
Adjusting the Badge.....	20-17
Adjusting the Blending Mode.....	20-18
Adding the Badge to a Stock Image	20-19
Illustrator Assignment 20	20-22

Chapter 21: Using Envelopes

Starting a New Document.....	21-1
Making an Envelope.....	21-1
Selecting the Symbol.....	21-1
Drawing the Envelope Shape.....	21-3
Distorting the Symbol into the Shape	21-4
Distorting Photographs	21-5
Importing the Photograph	21-5
Creating the Envelope Shape.....	21-5
Making the Envelope	21-6
Envelope Warps.....	21-8
Envelopes With Meshes.....	21-9
Inserting the Symbol.....	21-9
Applying the Mesh Envelope.....	21-10
Free Transform Envelopes	21-12
Placing the Image.....	21-12
Distorting the Image.....	21-12
Envelope Applications.....	21-14
Adding Content to Perspective Objects.....	21-14
Adding Envelopes to 3D Objects.....	21-17
Illustrator Assignment 21	21-20

Chapter 22: Creating Masks

Starting a New Document.....	22-1
Opacity Masks.....	22-1
Importing the Image.....	22-1
Converting the Photo to a Vector Image	22-2
Applying the Opacity Mask.....	22-3
Adjusting the Mask	22-5
Clipping Masks	22-7
Loading the Image.....	22-7
Creating the Clipping Mask	22-7
Editing the Mask	22-8
Mask Applications.....	22-9
Placing a Photo on the T-Shirt.....	22-9
Applying Effects to the Photo.....	22-10
Creating the Mask Shape.....	22-11
Text Masks	22-13
Entering the Text.....	22-13
Drawing the Symbol.....	22-14
Pasting the Symbol into the Text.....	22-16
Illustrator Assignment 22	22-17

Chapter 23: Art, Pattern and Bristle Brushes

The Art Brush.....	23-1
Starting a New Document.....	23-1
Adding the Image to the Artboard	23-2
Creating the Art Brush	23-2
Painting the Trees	23-3
Limiting the Stretching of Images.....	23-4
Using Images as Brushes	23-6
Loading the Image.....	23-6
Adding the Image to the Brushes Panel.....	23-6
Pattern Brushes	23-8
Loading the Image.....	23-8
Adding the Image to the Brushes Panel.....	23-8
Formatting the Corners.....	23-9
Using the Brush.....	23-10
Bristle Brushes	23-12
The Bristle Brush Library Panel	23-12
The Bristle Brush Options	23-13
Using Bristle Brushes.....	23-14
Artistic Brushes.....	23-17
Illustrator Assignment 23	23-19

Chapter 24: The Mesh Tool

Starting a New Document.....	24-1
Creating a Sphere With the Mesh Tool.....	24-1
Drawing the Ellipse	24-1
Setting the Mesh Point.....	24-2
Setting the Mesh Gradient Colour	24-3
Adjusting the Mesh Gradient.....	24-3
Applying Multiple Meshes	24-6
Opening a Prepared File.....	24-6
Applying the First Mesh	24-6
Adding a Second Mesh Gradient.....	24-8
Adding a Third Mesh Gradient.....	24-9
Adjusting the Inner Ear.....	24-10
Deleting Mesh Points.....	24-11
Illustrator Assignment 24	24-12

Chapter 25: Multiple Artboard Documents

Starting a New Document.....	25-1
Completing the First Artboard	25-2
Creating the Background.....	25-2
Entering the Main Heading.....	25-3
Entering the House Address.....	25-5
Inserting the Photo.....	25-6
Entering the House Details	25-8
Threading Text.....	25-10
Entering the Contact Details	25-12
Setting Margins and Tabs	25-13
Completing the Second Artboard.....	25-15
Spell Checking	25-16
Printing.....	25-17
The Artboard Tool.....	25-18
Adjusting the Size of the Artboard	25-18
Adding Artboards.....	25-20
Deleting Artboards	25-21
Managing Artboards	25-22
Laying Out Artboards.....	25-23
Duplicating Artboards	25-25
Illustrator Assignment 25	25-27

Chapter 26: Creating Accurate Designs

Starting a New Document.....	26-1
Setting the Scale	26-2
Entering the Walls of the Room.....	26-2
Adding the Windows.....	26-3
Adding the Doors	26-4
Adding the Fixtures	26-6
Adding Images	26-8
Inserting Chairs	26-8
Aligning the Chairs	26-11
Inserting Pot Plants.....	26-12
Inserting Shrubs.....	26-13
Adding Labels	26-14
Setting the Layers.....	26-14
Labelling the Room Sections	26-14
Providing Design Information	26-15
Adding Dimensions	26-19
Setting the Scale	26-19
Inserting the Dimensions	26-20
Formatting the Dimensions.....	26-21
Viewing the Layers	26-22
Printing.....	26-23
Using the Libraries Panel	26-23
Illustrator Assignment 26	26-24

Chapter 27: Useful Tools

Exporting Images	27-1
Exporting as Compressed Files.....	27-1
Exporting as an SVG File	27-2
Exporting Assets	27-4
Selecting the Assets.....	27-4
Export Settings.....	27-6
Intertwining Objects	27-8
Opening a Template File	27-8
Applying Intertwining to Shapes.....	27-8
Intertwining Text	27-10
Drawing Graphs	27-11
Creating a Pie Graph.....	27-11
Entering the Data	27-12
Formatting the Graph.....	27-14
Editing the Graph Data.....	27-15
Changing the Graph Type	27-16
Photoshop Effects	27-17
Creating a Brick Wall.....	27-17
Altering the Screen Resolution.....	27-20
Arrowed Lines.....	27-21
Adding an Arrowhead to the Start of a Path	27-21
Adding an Arrowhead to the End of a Path	27-22
Positioning Arrowheads.....	27-23
Swapping Arrowhead Positions.....	27-24
Inserting Multiple Images	27-24
Illustrator Assignment 27	27-26