KOENIG step forward

AUTODESK Authorized Training Center

KOENIG SOLUTIONS · COURSE OUTLINE

Autodesk AutoCAD for Interior Designers

Learn to use AutoCAD 2024 to draft floor plans, elevations, annotations and schedules for interior design projects.

12 MODULES

155 TOPICS

COURSE OVERVIEW

This course empowers interior designers with the essential skills to utilize AutoCAD 2024 effectively in their design projects. From basic navigation to advanced commands, participants will learn how to create precise floor plans, elevations, annotations, and schedules tailored to industry standards. Through hands-on tutorials and comprehensive guidance, students will gain proficiency in leveraging AutoCAD as a fundamental tool in their design workflow.

WHO THIS COURSE IS FOR

This course is tailored for interior designers seeking to enhance their technical proficiency and streamline their design process using AutoCAD 2024. Whether beginners or experienced professionals, individuals looking to elevate their drafting skills and deliver precise design solutions will benefit from this course.

PREREQUISITES

- No prior experience with AutoCAD is required. Basic familiarity with computer operations and a passion for interior design are recommended.

LEARNING OBJECTIVES

Upon completion of this course, participants will be able to:

- Navigate the AutoCAD interface efficiently, distinguishing between Mac and PC platforms
- Create accurate drawings using fundamental commands such as Line, Circle, and Rectangle
- Apply advanced drawing techniques including Offset, Trim, Extend, and Lengthen to refine designs
- Organize drawings effectively using Layers, Blocks, and External References (Xrefs)
- Annotate drawings with Text, Dimensions, and Multileaders to communicate design intent clearly
- Generate professional layouts for printing, utilizing Model Space, Paper Space, and Viewports
- Develop comprehensive drawing sets, including schedules and annotations, for effective project documentation
- Employ additional tools and techniques for advanced drafting, such as creating curves, rendering, and customizing the user interface

COURSE SYLLABUS

12 Modules, 155 Topics

01

Introduction to AutoCAD

CHAPTER 1: GETTING COMFORTABLE WITH AUTOCAD

- Introduction to AutoCAD
- Hand Drawing vs. AutoCAD
- Clarification and Ground Rules
- The AutoCAD Screen
- AutoCAD on the Mac
- Status Bar icons
- Toolbars
- Toolbars on Mac
- Command Line
- Options - Screen Color & Right-Click
- Customizing Screen Background Color
- Customizing Screen Background Color for Mac
- Customizing Right-Click
- Customizing Right-Click for Mac
- **Navigation Controls:** UCS Icon, Navigation Bar, and View Cube
- Navigation Controls on the Mac
- AutoCAD Help
- Opening & Saving Drawings

OPENING & SAVING DRAWINGS

- Using the Pull-Down Menu
- Selecting New...
- Selecting Open
- Selecting Close
- Selecting Save
- Selecting Save As...
- File types
- **Look in:** /Save in: and Favorites/Where: for Mac

02

Basic Setup and Commands

CHAPTER 2: SETTING-UP AND INTRO TO AUTOCAD

Units · Three Easy Commands to Help Get You Started · Methods of Selecting Objects · Zoom & Pan

THREE EASY COMMANDS TO HELP GET YOU STARTED

Line · Circle · Erase

METHODS OF SELECTING OBJECTS

Selection Window (LEFT to RIGHT) · Crossing Window (RIGHT to LEFT) · Removing Objects from the Selection Set · Grips

ZOOM & PAN

Zoom and Pan Using the Wheel Mouse · Typing the Zoom Command

03

Project Tutorial 1: Hotel Suite

CHAPTER 3: HOTEL SUITE PROJECT - TUTORIAL 1

Hotel Suite Project · Create the basic shell of the suite

04

Advanced Drawing Commands

GETTING INFORMATION FROM YOUR DRAWING

Measure · Distance · Radius · Angle · List

FILLET - CREATING ROUND OR SHARP CORNERS

Setting the Fillet Radius · Trim Option · Selecting Objects to Fillet · Importance of Pick Location

CHAMFER - CREATING BEVELED EDGES

Setting the Chamfer Distance

MANIPULATING EXISTING OBJECTS

Move · Copy · Rotate · Mirror

ARRAY COMMANDS

Rectangular Array · Count Option · Spacing Option · Polar Array

05

Layout and Printing

MODEL SPACE & PAPER SPACE

- Model Space
- Paper Space

VIEWPORTS

- Viewports Tool
- Re-Sizing a Viewport
- Access Model Space while in a Layout
- Create and Modify Model Space Objects in a Layout
- Adjust the Position and Scale of Model Space Objects in a Viewport
- Lock the Scale of Layout Viewports

PLOTTING FROM PAPER SPACE

- Page Setup Manager
- Plotting/Printing Your Drawing
- Model & Layout Tabs
- Renaming a Layout
- Renaming Layouts for Mac
- Adding a Layout
- Adding a Layout for Mac
- Add Layout from Template
- Add Layout from Template for Mac
- Deleting Layouts

06

Object Management and Organization

BLOCKS - TREATING MULTIPLE OBJECTS AS ONE

- Making Blocks
- Inserting Blocks
- Inserting Blocks on Mac

DESIGN CENTER

- Using Design Center
- Bring Blocks into Your Drawing
- Bring Styles, etc. into Your Drawing

BLOCKS PALETTE FOR MAC

- Adding Block Libraries for Mac
- Bring Blocks into the Drawing on Mac

XREFS

- Attaching a drawing as a Reference
- Clipping the visible area of a Reference
- Editing a Reference
- External Reference Manager - Detach and Reload

Object Management and Organization (continued)

LAYERS

- Layer Properties Manager
- Creating a New Layer
- Visibility of Layers
- Assigning a Color to the Layer
- Assigning a Linetype to the Layer
- Linetype Scale
- Current Layer

PROPERTIES

- Changing Object Properties
- Lineweight

07

Project Tutorial 2: Hotel Suite

CHAPTER 7: HOTEL SUITE PROJECT - TUTORIAL 2

Create the Bathroom Walls · Create the Closet Walls · Create the Doors and Windows

08

Annotating and Dimensioning

TEXT

Text Style · Multiline Text · Single Line Text · Editing Text · Relocating Text · Special Characters · Scaling Text

DIMENSIONS

Dimension Style · Using Dimensions · Linear Dimension · Aligned Dimension · Radius Dimension · Angular Dimension · Diameter Dimension · Modifying Existing Dimensions

MULTILEADER

Multileader Style · Inserting a Multileader on Your Drawing

09

Project Tutorial 3: Hotel Suite

CHAPTER 9: HOTEL SUITE PROJECT - TUTORIAL 3

Create a Layout for Plotting · Create a Drawing Format · Create a Template Drawing

10

Creating Schedules and Advanced Techniques

TABLES - CREATING A SCHEDULE

Creating a Table Style · Table Title · Table Header · Table Data

Inserting Tables on the Drawing · Editing an Existing Table

11

Creating Curves and Rendering

TOPICS

Arc · Ellipse · Polyline · Spline · Hatch · Section Views

RENDERING

Gradient Hatch

12

Miscellaneous Techniques and Customization

TOPICS

- Helpful Hints
- Finding the Center of a Rectangle
- Divide
- Break & Break at Point
- Polygon
- Stretch

SCALE

- Reference Option
- Cut (or Copy)/Paste - Using the Clipboard
- Changing Objects from Model Space to Paper Space
- Tracing Pictures

CIRCLE OPTIONS

- Define the Circle with 3 points
- Define the Circle with 2 points
- Tan Tan Radius

RECTANGLE OPTIONS

- Chamfered Corner Rectangle
- Filleted Corner Rectangle

OFFSET OPTIONS

- AutoCAD Calculates Distance
- Through Option

DRAFTING SETTINGS

- Snap and Grid
- Ortho and Polar
- Customize User Interface - PC
- Customize User Interface - Mac

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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