Residential Design Using AutoCAD 2021

Includes video instruction







Visit the following websites to learn more about this book:









Table of Contents

				Page	
1.	Getting Started with AutoCAD 2021				
	1-1	What is AutoCA	1-1		
	1-2	Overview of the	1-3		
	1-3	Open, Save & Cl	1-11		
	1-4	Creating a New I	1-15		
	1-5	Using Zoom & I	1-17		
	1-6	Using the AutoC	1-23		
	1-7	Introduction to	1-27		
		Self-Exam e	1-33		
2.	Cras	h Course Introd			
	2-1	Lines and Shapes	2-1		
	2-2	Object Snaps	2-16		
	2-3	Modify Tools	2-22		
	2-4	Annotations	2-35		
	2-5	Printing		2-39	
		Self-Exam c	& Review Questions	2-43	
3.	Drav	wing Architectur			
	3-1	Rectilinear Object	cts	3-1	
	3-2	Objects with Cu	3-9		
	3-3	Using Layers		3-31	
		Self-Exam e	3-41		
4.	FLO				
	4-1	Walls		4-1	
	4-2	Doors		4-21	
	4-3	Windows		4-36	
	4-4	Annotation and	4-42		
		Self-Exam e	4-53		
		Additional Tasks			
		Task 4-1	Fireplace - North	4-54	
		Task 4-2	Main Stairway	4-59	
		Task 4-3	Secondary Stairway	4-60	
		Task 4-4	Porch	4-61	
		Task 4-5	Garage Steps	4-62	
		Task 4-6	Fireplace - South	4-62	
5.	EXT	TERIOR ELEV			
	5-1	Elevation Outlin	5-1		
	5-2	Windows		5-18	
	5-3	Doors		5-29	
	5-4	Chimney, Railing	5-37		
		Self-Exam &	5-51		
		Additional Tasks			
		Task 5-1	Grade Line	5-52	
		Task 5-2	Draw the Other Chimney	5-54	
		Task 5-3	Print Content from a Website	5-55	
		Task 5-4	Adding Foundation Lines	5-55	

				Page
6.	SECT			
	6-1	Building Sections	6-1	
	6-2	Typical Wall Section	6-6	
	6-3	Adding Annotation	to Wall Section	6-10
	6-4	Stair Section	6-14	
		Self-Exam & R	eview Questions	6-24
		Additional Tasks		
			Additional Building Sections	6-25
			Wall Section at Garage	6-25
			Hatch Wall Sections	6-25
		Task 6-4	Stair Detail	6-26
7.	PLA			
	7-1	Bathroom Layout	7-1	
	7-2	Bathroom Elevation	7-8	
	7-3	Adding Furnishings	7-21	
	7-4	Using Tool Palettes	7-27	
		Self-Exam & R	eview Questions	7-38
		Additional Tasks		
			Гoilet Room Plan Layouts	7-39
			Γoilet Room Elevations	7-39
		Task 7-3	Furniture Layout	7-39
8.	SITE			
	8-1	Draw Existing Surv	8-1	
	8-2	Add House, Drivew		8-10
	8-3	Layout New Contou		8-14
		Self-Exam & R	eview Questions	8-21
		Additional Tasks	· ·	
		Task 8-1 Add	l Items to the Site Plan	8-22
		Task 8-2 Dra	w another Grade Profile	8-22
		Task 8-3 Upo	date Grade Profile for Each Exterior Elev.	8-22
9.	SCHI			
<i>)</i> .	9-1	EDULES & SHE Room Finish Sched	9-1	
	9-2		agement (Sheet Sets)	9-17
	9-3	Sheet Index	agement (onect octo)	9-46
	, ,	Self-Exam & R	eview Ouestions	9-53
		Additional Tasks		
		Task 9-1 Ct	eate a Door Schedule	9-54
		Task 9-2 Pl	ace All Your Views on Sheets	9-54
		Task 9-3 Pl	ace Callout Blocks to Reference Your Drawings	9-54
		Task 9-4 Ac	ld Additional Raster Images to Your Drawings	9-54
10.	LINE	EWEIGHTS & PI	OTTING	
10.	10-1	Lineweights	10-1	
	10-2 Plotting: Digital Set			10-12
	10-3	Plotting: Hardcopy	10-26	
		Self-Exam & R		10-36
		Additional Tasks	~~	
			Apply Lineweights to all your Drawings	10-37
			Plot all your Drawings Full Size	10-37
			Email a DWF File	10-37
		Task 10-4	View your files in the Cloud	10-37
Index	Index-1			

Exclusive Bonus Content

Instructions for download on inside front cover of book

11. INTRODUCTION TO COMPUTERS- 49 page PDF

- 11-1 Computer Basics: Terms and Functions
- 11-2 Overview of the Windows User Interface
- 11-3 File Management Introduction

Self-Exam & Review Questions

12. INTRODUCTION: MUST KNOW COMMANDS- 89 page PDF

- 12-1 Drafting and Display Tools
- 12-2 Draw Commands
- 12-3 Modify Part 1
- 12-4 Modify Part 2
- 12-5 Annotation and Layers
- 12-6 Plotting

Self-Exam & Review Questions

Appendix A - Engineering Graphics - 38 page PDF

- A-1 Introduction
- A-2 Engineering Graphics
- A-3 Orthographic Projection

Appendix B - ROOF STUDY WORKBOOK - DRAFT EDITION - 90 page PDF

Appendix C – Sketching Exercises - 52 page PDF

- C-1 Introduction
- C-2 Freehand sketching from photos
- C-3 Surveying and Sketching Objects
- C-4 Sketching Floor Plans
- C-5 Sketching Elevations two point perspective
- C-6 Sketching Elevations one point perspective
- C-7 Sketching Plans one point perspective

Videos

- 1. User Interface
- 2. Getting Started
- 3. Draw Tools
- 4. Modify Tools5. Annotation
- 6. Floor Plans
- 7. Exterior Elevations
- 8. Sections
- 9. Interior Design
- 10. Plotting