

# uCertify

## Course Outline

### SketchUp for Beginners



24 May 2025

1. Exercises, Quizzes, Flashcards & Glossary

Number of Questions

2. Expert Instructor-Led Training

3. ADA Compliant & JAWS Compatible Platform

4. State of the Art Educator Tools

5. Award Winning Learning Platform (LMS)

6. Chapter & Lessons

Syllabus

Chapter 1: Introduction

Chapter 2: The SketchUp Setup

Chapter 3: Getting a Running Start

Chapter 4: Establishing the Modeling Mindset

Chapter 5: Building Buildings

Chapter 6: Falling in Love with Components

Chapter 7: Going beyond Buildings

Chapter 8: Keeping Your Model Organized

Chapter 9: Modeling with Textures, Photographs, and CAD Files

Chapter 10: 3D Printing with SketchUp Models

Chapter 11: Working with Styles and Shadows

Chapter 12: Preparing Models for Presentation

Chapter 13: Creating Images, Presentations, and Documents in LayOut

Chapter 14: Other Ways to Share Your Work

Chapter 15: Ten SketchUp Traps and Their Workarounds

Chapter 16: Ten SketchUp Quick Wins

Videos and How To

1.  **Expert Instructor-Led Training**

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

## 2. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

## 3. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

## 4. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**
  1. Best Postsecondary Learning Solution
  
- **2015**
  1. Best Education Solution
  2. Best Virtual Learning Solution
  3. Best Student Assessment Solution
  4. Best Postsecondary Learning Solution
  5. Best Career and Workforce Readiness Solution
  6. Best Instructional Solution in Other Curriculum Areas
  7. Best Corporate Learning/Workforce Development Solution
  
- **2016**
  1. Best Virtual Learning Solution
  2. Best Education Cloud-based Solution
  3. Best College and Career Readiness Solution
  4. Best Corporate / Workforce Learning Solution
  5. Best Postsecondary Learning Content Solution
  6. Best Postsecondary LMS or Learning Platform
  7. Best Learning Relationship Management Solution
  
- **2017**
  1. Best Overall Education Solution
  2. Best Student Assessment Solution
  3. Best Corporate/Workforce Learning Solution
  4. Best Higher Education LMS or Learning Platform
  
- **2018**
  1. Best Higher Education LMS or Learning Platform
  2. Best Instructional Solution in Other Curriculum Areas
  3. Best Learning Relationship Management Solution

- **2019**
  1. Best Virtual Learning Solution
  2. Best Content Authoring Development or Curation Solution
  3. Best Higher Education Learning Management Solution (LMS)
  
- **2020**
  1. Best College and Career Readiness Solution
  2. Best Cross-Curricular Solution
  3. Best Virtual Learning Solution

## 5. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

### Syllabus

#### Chapter 1: Introduction

- About This Course
  
- False Assumptions
  
- Icons Used in This Course
  
- Where to Go from Here

#### Chapter 2: The SketchUp Setup

- Picking a Version of SketchUp
- Navigating SketchUp
- Taking the 10-Minute SketchUp Tour
- The SketchUp Frame of Mind

### Chapter 3: Getting a Running Start

- Making a Quick Model from Scratch
- Slapping On Some Paint
- Giving Your Model Some Style
- Switching On the Sun
- Sharing Your Masterpiece

### Chapter 4: Establishing the Modeling Mindset

- All about Edges and Faces
- Drawing in 3D on a 2D Screen
- Warming Up Your SketchUp Muscles

### Chapter 5: Building Buildings

- Drawing Floors and Walls

- Staring Down Stairs
- Raising the Roof

## Chapter 6: Falling in Love with Components

- SketchUp Groupies
- Working with Components
- Taking Advantage of Components to Build Better Models

## Chapter 7: Going beyond Buildings

- Extruding with Purpose: Follow Me
- Modeling with the Scale Tool
- Making and Modifying Terrain
- Building a Solid Tools Foundation

## Chapter 8: Keeping Your Model Organized

- Taking Stock of Your Tools
- Seeing the Big Picture: The Outliner
- Discovering the Ins and Outs of Tags
- Putting It All Together

## Chapter 9: Modeling with Textures, Photographs, and CAD Files

- Painting Faces with Image Files
- Modeling Directly from a Photo: Introducing Photo-Matching
- Adding Geographic Data
- Working with Imported CAD files

## Chapter 10: 3D Printing with SketchUp Models

- Building Up a View of 3D Printing
- Knowing Your 3D Printers
- Designing for Successful 3D Printing
- Preparing a SketchUp Model for 3D Printing
- Exporting Your SketchUp File
- Using Your 3D Printer
- Going beyond Basic 3D Printing
- Designing Things That Move

## Chapter 11: Working with Styles and Shadows

- Styling Your Model's Appearance
- Working with Shadows



## Chapter 12: Preparing Models for Presentation

- Exploring Your Creation on Foot
- Taking the Scenic Route
- Mastering the Sectional Approach

## Chapter 13: Creating Images, Presentations, and Documents in LayOut

- Building a LayOut Document
- Creating Your Own Templates
- Putting Together Your Own Scrapbooks
- Getting Your Document out the Door

## Chapter 14: Other Ways to Share Your Work

- Exporting Images from SketchUp for Web
- Making Sure You Export Enough Pixels
- Exporting Enough Pixels for a Digital Presentation
- Printing from SketchUp for Web
- Printing to Scale in SketchUp for Web
- Making Movies with Animation Export
- Exporting a CAD File

- Working with the 3D Warehouse

## Chapter 15: Ten SketchUp Traps and Their Workarounds

- SketchUp Won't Create a Face Where You Want It To
- Your Faces Are Two Different Colors
- Edges on a Face Won't Sink In
- SketchUp Crashed, and You Lost Your Model
- SketchUp Is Sooooo Sloooooooooow
- You Can't Get a Good View of the Inside of Your Model
- A Face Flashes When You Orbit
- You Can't Move Your Component the Way You Want
- Bad Stuff Happens Almost Every Time You Use the Eraser
- All Your Edges and Faces Have Different Tags

## Chapter 16: Ten SketchUp Quick Wins

- Setting Your Click Style to Click-Move-Click
- Customizing Shortcuts
- Using the Inference Locking Force
- Transporting Yourself across Space and Time

- Rounding Off Edges with the Arc Tool
- Using the Scale Tool to Set Length for Simple Objects
- Ten Extensions for Dummies
- Getting SketchUp on Your Smartphone
- Turning Off Your Profiles
- Connecting with the SketchUp Community

You can't stay away! Get

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