COURSE SYLLABUS

Interior Design Software Course Online

Learn the essential software used in Interior Design, including Revit & Twinmotion. From space planning and 3D modeling in Revit to creating breathtaking renderings with Twinmotion, you'll learn essential skills to bring your interior design vision to life.

> Group classes (Live Online) and onsite training are available for this course. For more information, email partnerships@vdci.edu or visit: https://vdci.edu/courses/interior-design-software



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Course Outline

This package includes these courses

- Intro to Revit Course Online (30 Hours)
- Intermediate Revit Course Online (30 Hours)
- Revit for Interior Design Course Online (30 Hours)
- Revit & Twinmotion Interior Rendering Course Online (30 Hours)
- Revit & Twinmotion Exterior Rendering Course Online (30 Hours)

Attend up to one of these elective courses for free (all are optional).

- Intro to SketchUp Course Online
- Intro to AutoCAD Course Online

Intro to Revit Course Online

In this beginner-friendly course, you'll dive into how Revit (BIM) links all your project information using the Revit Architecture tools. You'll learn how to design 3D models that automatically generate 2D architectural drawings, including floor plans, elevations, and 3D perspective views. Starting with a pre-made template, you'll build a Building Information Model, create floor plans and elevations, generate 3D views, place them on sheets, and print them to PDF.

- Describe Primary Revit Concepts and how they relate to Building Information Modeling (BIM).
- Explore the Revit User-Interface.
- Design a 3D building model to explain how information is interrelated
- Determine the appropriate workflow to complete tasks within Revit.
- Develop a project that includes floors, walls, ceilings, stairs, curtain walls, and roof design to strengthen 3D modeling and 2D documentation skills.
- Create presentation-level architectural graphics.
- Catalog building information using schedules.

Intermediate Revit Course Online

In this intermediate BIM class, you'll learn advanced Revit techniques for documenting projects, including scheduling components, creating 2D/3D families, refining graphics, and making a streamlined construction document set. You'll also build on an existing model, explore design options, create custom schedules, and develop custom Revit families. By the end, you'll turn a conceptual model into a complete, integrated construction document set.

- Integrate DWG Files to create Revit details.
- Tag elements for cost estimation and material take-offs.
- Explore the capabilities of design options and how to present different options.
- Create 3D parametric families.
- Build customized door, material, and room schedules that can be used for construction take-offs.
- Explore BIM project management techniques to keep models efficient and user-friendly.

Revit for Interior Design Course Online

This course is tailored to help you perfect your craft and bring your creative ideas to life with incredible accuracy and efficiency. Through step-by-step lessons, engaging exercises, and real-world examples, you'll master essentials like:

- Draft precise floor plans and layouts that are ready to present to clients or integrate with architectural plans
- Transform spaces into fully-rendered 3D designs and explore every detail from lighting to textures
- Learn to create custom furniture and fixtures to make each project uniquely yours
- Save hours and streamline operations with Revit's organizational tools, ensuring seamless collaboration between designers, architects, and contractors
- Produce clean, detailed project documents that meet industry standards and wow your clients

Revit & Twinmotion Interior Rendering Course Online

This course provides a comprehensive introduction to real-time rendering with Revit and Twinmotion, focusing on creating high-quality interior visualizations. You will gain hands-on experience with essential tools and techniques to bring your designs to life with stunning detail and interactivity.

- Navigate and master the Twinmotion interface for seamless project creation.
- Export and link Revit models to Twinmotion while maintaining real-time synchronization.
- Apply materials, lighting, and furniture to enhance the realism of interior spaces.
- Configure natural and artificial lighting to create mood and visual storytelling.
- Create multiple camera views and optimize scene composition for impactful renderings.
- Develop a fully rendered interior scene ready for your portfolio or client presentations.

Revit & Twinmotion Exterior Rendering Course Online

Discover how to take your Revit models into Twinmotion and transform them into immersive, real-time visual experiences. This course focuses on exterior visualization, guiding you through the process of connecting models, refining materials, setting up realistic lighting, and adding context with landscapes and people. You'll explore how to generate high-quality renderings and animations that bring design concepts to life for clients and presentations. With a strong emphasis on practical application, you'll leave the class with a polished exterior project that highlights your ability to create professional visualizations using the latest real-time tools.

- Navigate the Twinmotion 2025 interface and use core tools for efficient project setup and management.
- Import and export Revit and SketchUp models into Twinmotion with real-time synchronization.
- Apply and customize exterior materials, lighting, and landscaping to enhance design realism.
- Configure natural and artificial lighting to set the atmosphere and support visual storytelling.
- Develop and manage camera views for optimized scene composition and presentation.
- Produce and export dynamic animations that clearly communicate building designs.