



**Picasso Institute**  
Nothing Can Stop You

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**3D MAX MODELING**

# Course Outline

## Index

- **About Picasso Institute**
- **Course Overview**
- **Course Content**
- **Learning Outcomes**
- **Requirements for Successfully Passing the Course**
- **Who Can Join**
- **Minimum Age to Join**
- **Course Language**
- **Privileges for Students at Picasso Institute**

## **Picasso Institute**

We are a family that is passionate about art, publishing it and transferring it from being a luxury, to works of art that are at the core of life and form its patterns and are inseparable from it. Picasso institute, has a new creative vision to reformulate the social beliefs about learning and creativity. We are keen on providing high quality vocational training and determined to boost the Jordanian and the Arab Market with the best graduates who will change the world colors. . Our specializations, training diplomas, are unique, elite and help visualize and create your own future. At Picasso institute, you have to start off with your imagination, we provide you with the means that make this imagination a reality. The tools and the information provided by Picasso professionals emboss an inscription on your hands. As the great artist Pablo Picasso said " Everyone is born an artist", we have to protect the artist that lies in you and create tangible art.

## **Founded in 2014 in Jordan**

### **Branches**

- Jordan-Amman
- UAE-Dubai
- UAE-Abu Dhabi
- KSA-Riyadh
- Qatar-Lusail

## Course Overview

The 3D Max Modeling Course in Interior Design introduces students to the fundamentals of creating 3D models specifically for interior spaces, using 3D Max software. Through hands-on practice, students will learn to model key architectural elements, such as walls, floors, windows, and furnishings, while focusing on accuracy in scale and spatial organization. The course emphasizes techniques for building detailed, realistic interiors that effectively convey design ideas. By the end of the course, students will be able to construct complete 3D interior models, setting a strong foundation for further rendering and visualization projects. This course is ideal for anyone looking to enhance their technical modeling skills within the field of interior design.

## Course Content

- Introduction to 3DMax and its features for modeling.
- Overview of the user interface and basic tools.
- Organizing work using layers.
- Transformation and Modifier Tools.
- Tools for moving (Move), scaling (Scale), and rotating (Rotate) objects.
- Basic modifier tools such as Bend, Twist, and Taper.
- Applying modifications to basic objects.
- Modeling with Splines.
- Understanding Spline tools and creating curves.
- Converting Splines into 3D objects.
- Modeling architectural elements like windows and doors using Splines.
- Modifying and Refining Complex Models.
- Using Boolean operations to merge or cut objects.
- Working on fine details like edges and curves.
- Applying advanced modifications to enhance complexity in models.
- Editable Poly Modeling.
- Focusing on advanced tools like Bridge, Cut, and Weld.
- Building surfaces and structures for complex models.
- Controlling Edge Flow and refining details.

- Detailed explanation of Editable Poly.
- Using basic commands like Extrude, Bevel, and Inset.
- Constructing complex models using Poly editing techniques.
- Modeling Furniture and Architectural Elements.
- Creating 3D models of interior furniture.
- Modeling complex architectural forms such as columns and ornaments.
- Enhancing details and refining edges.
- Comprehensive Review and Practical Application.
- Troubleshooting technical issues and discussing best practices in modeling.

## Course Delivery Content

### Classroom

#### Learning Outcomes

By the end of this course, students will be able to:

- Demonstrate a working knowledge of the 3D Max interface, including key tools and functions used in interior design modeling.
- Navigate software efficiently to create and modify 3D models.
- Apply basic modeling techniques to create foundational interior elements, such as walls, floors, and architectural details.
- Accurately apply scale and proportion in modeling, ensuring that interior elements align with real-world dimensions.
- Arrange modeled elements in cohesive spatial layouts that reflect functional and aesthetic design principles.
- Select appropriate materials and textures for different surfaces, including wood, metal, fabric, and glass.
- Apply texture mapping to enhance realism in modeled objects, aligning with intended visual and tactile qualities.
- Identify and resolve common modeling issues, such as geometry errors and object alignment, to maintain quality and efficiency.
- Prepare 3D models for presentation, including basic scene organization and clean setups that highlight design features.

## **Requirements for Successfully Passing the Course**

- Commitment to attend the training course and not to exceed the permitted absence rate, which is 15% of the number of hours for the training course.
- Submission of the course project.

## **Who Can Join**

At Picasso institute, anyone can join, regardless of their background or experience. Whether you're a beginner or have some prior knowledge, you are welcome to explore and develop your creativity with us. No previous experience is required.

## **Minimum Age to Join**

At Picasso institute, anyone 16 and older can join.

## **Course Language**

### **At Picasso Institute, the course is structured as follows**

- Presentations and course materials are provided in English.
- The explanation and instruction are delivered in Arabic.

## **Privileges for Students at Picasso Institute**

- Visits from the institute to enhance their experience.
- Full access to all institute facilities.
- Opportunities for one-on-one consultations with experts in various fields.
- Participation in many hands-on workshops.
- Exclusive networking events with industry professionals.
- Access to special exhibitions and guest lectures.
- Personalized mentorship to help guide creative projects.
- Opportunities to showcase student work in school-organized exhibitions

**At Picasso Institute, we believe that every artist has a unique story to tell and limitless potential to unlock. As you begin this creative journey with us, know that you are not just a student but an integral part of a community that celebrates imagination, passion, and innovation. We are here to support and guide you every step of the way. Stay curious, embrace challenges, and let your creativity shine. We can't wait to see the extraordinary work you will create!**

**Welcome to the Picasso Institute family!**