



**Picasso Institute**  
Nothing Can Stop You

JEWELRY DESIGN USING MATRIX GOLD

# Course Outline

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## **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 Jewelry Design Using MatrixGold Course introduces students to the powerful MatrixGold software, a leading tool in the jewelry industry for 3D digital design. This course teaches students how to use the software to create detailed and accurate 3D models of jewelry pieces, such as rings, necklaces, earrings, and more. Students will learn to navigate the interface, utilize key features for designing intricate details, and apply tools to simulate different materials, stones, and settings. Emphasis is placed on precision and customization, allowing students to design fully functional models ready for production or 3D printing.

## Course Content

- How to download MatrixGold.
- Program settings.
- Interface of Matrixgold and Selections and Navigations.
- Toolbars and commands.
- 2D Drawing Simple Designs with Lines, Arc and Curves.
- 2D and 3D Drawing.
- Rendering.
- Drawing pendants.
- Advanced 3D modeling design with new advanced Commands and Techniques.
- 3D modeling eternity diamond ring band, engagement ring design.
- Diamond settings, prongs and cutters.
- How to Prepare File for 3D Printing.
- How to make micro diamond pave settings style.
- How to make patterns on ring outside and inside by using flow along surface.
- Bracelet and earring modeling.
- How to make Locks.

## Course Delivery Method

### Classroom

#### Required Tools

Laptop

Device Specifications:

- CPU (Core i7)
- RAM (16 GB) Minimum
- Hard Desk (SSD 512) + (HDD 1 tb)
- Graphics Cards (NVIDIA GEFORCE RTX 2050 ) (4GB)
- Windows 10 Pro or 11 Pro (64 bit)

#### Learning Outcomes

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

- Navigate the MatrixGold software interface and effectively use its key tools for creating 3D jewelry models.
- Design intricate and detailed jewelry pieces using digital tools.
- Simulate a variety of materials, gemstones, and settings within the software to create realistic, production-ready designs.
- Apply precision techniques for designing functional, accurate 3D models that meet industry standards for manufacturing or 3D printing.
- Customize designs by modifying elements such as dimensions, textures, and stone settings, allowing for the creation of unique, personalized jewelry pieces.
- Export completed 3D models for presentation, production, or prototyping, bridging the gap between design and manufacturing.

## **Final Project**

- Students are required to submit a final project consisting of 2 or 3 jewelry pieces designed using the techniques and tools learned throughout the course.

## **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!**