Picasso Institute
Nothing Can Stop You

FASHION DESIGN USING CLO 3D

Course Outline

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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 CLO 3D Course introduces students to the powerful 3D garment visualization software widely used in the fashion industry for digital design and prototyping. The course teaches how to create realistic, 3D virtual garments, offering an innovative approach to fashion design and development. Students learn to construct patterns, sew virtually, simulate fabrics, and render garments with lifelike textures and details. The course emphasizes efficiency, reducing the need for physical samples by enabling designers to visualize, test, and adjust their designs in a digital environment. By mastering CLO 3D, students gain valuable skills that bridge creativity and technology, preparing them to work in cutting-edge fashion design and product development roles.

Course Content

- Interface (Library, 3D Window, 2D Window, Object Browser, Property Editing, Toolbar User Settings).
- Navigation (Mouse User Settings, pan, rotate and zoom).
- Avatars (Customizing avatar; gender, size, pose…etc.).
- Pattern drawing (Outline tools, internal line/shape tools, pattern editing and tracing).
- Sewing (Segment sewing, free sewing, 1-to-M and M-to-N).
- Arranging and simulating (Simulating and arrangement points).
- Folds and pleats (Internal lines, fold angles, and fold arrangement tool).
- Darts (Adding, editing and rotating darts).
- Zippers (Zipper tool, zipper pulls, sliders, and zipper tape).
- Buttons (Button tool, place-select-move, fasten).
- Fullness tool (Achieving fullness using the splash and spread technique).
- Fill tool (Creating puffer, quilted, or down pieces).
- Elastic tool (Elastic smocking, and elastic waistband).
- Fabric (Assigning fabrics, fabric properties, textures).
- Graphics.

- 3D resolution, and particle distance.
- Walking patterns.
- Finalizing patterns (Notching, annotating, seam allowance).
- Lighting and setup.
- Rendering.
- Printing.

Delivery Method

Virtual Online

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:
- Design and construct garments digitally using CLO 3D software, including drafting patterns and assembling pieces virtually.
- Apply realistic fabric textures and material properties to garments, understanding how different fabrics behave and look in a 3D environment.
- Utilize CLO 3D's virtual sewing tools to accurately assemble garments and adjust them to ensure correct fit and proportions.
- Visualize garments in real-time, allowing for instant feedback on fit, drape, and design, and make immediate adjustments.

- Streamline the design process by creating multiple iterations of a garment without the need for physical samples, saving time and resources.
- Produce high-quality, photorealistic renders of garments to showcase designs professionally in presentations or client portfolios.
- Integrate CLO 3D into broader design workflows, collaborating with teams on pattern development, garment testing, and production planning.
- Understand how digital sampling contributes to sustainability by minimizing physical material waste in the design and development process.

Final Project

- Design your final look (Think about sewing details, darts, pleats, fullness, elastic, fill, zipper, and buttons).
- Think about fabric, texture, maps, and graphics.
- Finalize your pattern, add notches using walking tool, add seam allowance, annotate (name, style, piece, size, date) grade into an extra size.
- Create a print layout, edit roll size, arrange to take up least space and waste, save.
- Create a lighting environment that matches your look (use different types of light, intensities, and colors).
- Change the background of your environment to match your look.
- Render a shot of your final look and save your photos.
- Animate one video with your look and save it.

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!

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