istitutomarangoni

SHORT COURSES
DIGITAL JEWELLERY DESIGN

Online Option

General Introduction
Over the past 80 years Istituto Marangoni has grown and developed alongside the thriving Italian fashion and design scenario. Through an exciting curriculum aimed to develop practical, creative, business and management skills which are subject specific, and relevant to the international fashion, design or art industries, Istituto Marangoni short courses prepare students in the principles of subjects such as Fashion Design, Accessories and Footwear Design, Fashion Styling, Fashion Business and Communication, Visual and Multimedia Design, Interior Design, Product Design, Art Management and Art Curation.

1. Certification Attained
Istituto Marangoni Certificate

Course Information

2. General info:
• Duration: 6 Weeks (3 days per week)
• Total Hours: 45
• Course Delivery mode: full online
• Lesson Duration: 2h30

3. Short Course Description
Brief description paragraph:
This short course aims at providing participants with the knowledge, methodology, and skills in the use of 3D software tools for the creation of jewels characterized by a digital aesthetic. Participants learn to conceive, design, and make jewellery pieces with a strong futuristic look. Besides, the jewels they make will be designed to be suitable for 3D printing manufacturing. They learn how to combine a strongly-contemporary attitude in design with digital technological content through the use of new technologies.

Educational Aims
• to develop flexible approaches to programme delivery and student support, which reflect the needs and expectations of our learners;
• to provide a supportive and inclusive learning environment which will enable success for all learners;
• to develop the students' intellectual abilities, creativity, independence, critical self-awareness, imagination and skills that will enhance global employment opportunities on completion from all courses;
• to establish a culture of constant improvement in learning, teaching and assessment that is anticipatory, enabling, supportive, rewarding and fully aligned with the Institutions vision and strategic objectives;
• to provide a learning experience that is informed by research, scholarship, reflective practice and engagement with fashion and design industry and the professions.

Course Learning Outcomes
Upon completion of this short course, you will be equipped with the knowledge and skills to:
LO1. Identify the necessary development stages of a jewellery design project;
LO2. Employ 3D software tools in the creation of jewels characterized by a digital aesthetic;
LO3. Prepare 3D files for digital manufacturing;
LO4. Use digital technologies proficiently in a jewellery design project.

4. Course Structure
Week by Week Description

Week 1
Jewellery Design in the Digital Scenario
Participants discover how digital transformation is shaping the future of digital jewellery. They study how digital aesthetic impacts visual culture and defines new languages; they also acquire basic skills in the use of 3D software for the making of digital organic modelling.

Week 2
The Use of 3D Digital Tools in Jewellery Design
Participants explore organic modelling inspired by avant-garde aesthetics and its role in shaping contemporary visual culture. They investigate the new scenario that digital technologies are opening for evolution in how to conceive and make jewellery designs. They expand their ability to use software tools in the 3D modelling and approach contemporary design jewels through it.

Week 3
Design Methodology Applied to Digital Jewellery
Participants are given a project brief for the main project and begin setting their research path. They analyze relevant information to define their project. They elaborate on the given brief and develop a personal interpretation; at the same time, they progress in the use of 3D software for digital organic modelling and apply to their project.

Week 4
Concept Definition
Participants work on their main project by identifying the core of their key idea for the project. They carry out form studies though digital tools as well as hand-drawings to define the concept for their design. They keep working with 3D software and develop fluency in the use of advanced commands.

Week 5
Project Development
Participants develop their concept to grow into the final project by developing its shape, structure, and details. They identify size, dimensions, and materials; while also finalizing files for 3D printing, and define the aesthetic landscape underpinning their project by making mood boards and preparing set visualizations.

Week 6
Project Finalization
Participants complete their project by finalizing all the required documentation comprising research and analysis, concept definition, product development, files suitable for 3D printing, rendering images, and project storytelling. They deliver their final presentation and, upon request, they can have their jewel pieces 3D-printed in the School laboratory.

Subjects
Design Techniques & Digital Tools
Design Methodology & Project Development

Seminars (if relevant or available for the specific course)
• Digital Jewellery Scenario
• 3D printing applications in the Jewellery Industry
• Preparing files for 3D printing

5. Learning Activities
Short Courses are taught via:
• Online Frontal lessons
• Online Workshops / Seminars (where relevant to specific course)

6. Course materials

Students will be required to have with them:

• Personal Pc/Laptop/Tablet to attend online classes with the required software installed.

7. Student Support Strategy

Istituto Marangoni's departmental policies ensure that various mechanisms are in place to enhance the student experience:

a. the use of online resources (where available) to reach the skills and knowledge expected on the course;

b. Tutors guide students during their studies.

Student & Academic Services

Istituto Marangoni provides Student & Academic Services, who act as the first point of contact for students.

The Student Support Officers help students in:

- manage their time;

- get the best from their course;

- understand and applying the School's rules for online lessons;

- anything else the officers can advise on.

8. Student Feedback

Student feedback is essential for future course development and improvement.

Student comments are used to evaluate and enhance both the successful management of their study experience, and course contents.

Upon completion of the short course Istituto Marangoni collects feedback through an online questionnaire where students will be invited to reflect on their overall experience at the School.