Design for Additive Manufacturing

Summer School 2020

ELISAVA → elisava.net
Presentation

Conventionally, creativity and innovation are limited by the possibilities of traditional production methods.

But in the recent years, new technologies have disrupted the approaches of design. As part of this summer school, we scope new ways of making esthetic innovations reality while expanding your knowledge about new production tools. You will understand the advantages of the different Additive Manufacturing technologies and practically learn to use their full potential through design.

Enable your company to design sustainably for the future instead of redesigning the past.

Objectives

- To know about the capabilities of modern production technologies
- To open your mind and design limitless, sustainable and use the full potential of Additive Manufacturing through design
- To choose which design, material, finish and additive manufacturing approach to use for your innovative projects
- To understand and apply the iterative design process on Additive Manufacturing to move faster to market introduction
- Planning and structuring of your creative project.
- Creation and managing of added value.

Structure and contents

This course is carried out at Elisava classrooms and laboratories, together with visits to the AureoBCN AM production facility and post processing specialists in Barcelona.

The program consists of 3 blocks:

1/ Opening the mind with different creativity techniques for Additive Manufacturing, diving into the different Additive Manufacturing technologies and their advantages and learning about successful market applications.

2/ Hands-on design for Additive Manufacturing with tutoring and build job preparation for printing with the Selective Laser Sintering Technologie. Printing and manual post processing of your design.

3/ Visits to AureoBCN and post processing specialists to experience the production processes, facilities, machines and different post processing stages.
Summer School

**Graphic Design / Communication**
- Introducción al Diseño de Experiencia de Usuario
- Packaging como Arma de Seducción Masiva
- Tattoo: Ilustración en Piel

**Type**
- July 2020
- Type and Color (Mark van Wageningen – Novo Typo)
- Lettering Strategies and Techniques (Ken Barber – House Industries)
- Thinking with your hands (Cyrus Highsmith – Occupant Fonts)
- Modular typefaces as a design tool (Manuel Krebs – Norm)

**Space Design / Architecture**
- Visual Merchandising y Escaparatismo
- Diseño de stands
- Lighting Design
- Interior Spaces

**Strategy / Management**
- Storytelling: Filosofía de Proyecto y Branding Personal
- Creatividad Avanzada: Disrupción y originalidad

**Product Design**
- Mueble y contexto. Diseño de mobiliario
- Sustainable Materials for Design
- Design for Additive Manufacturing

**Design Tools**
- Presentación y Venta de Proyectos Creativos
- Creación y Renderización de Objetos y Espacios
- Las Herramientas del Diseñador Gráfico. Crea, retoca y presenta con Suite Adobe

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MORE INFORMATION

→ T (+34) 933 174 715
→ summerschool@elisava.net

Bold category members of Elisava Alumni Association enjoy a 15% reduction.

The teaching staff is likely to change according to reasons beyond the course programme. ELISAVA reserves the right to make changes in programming as well as the right to suspend the course two weeks before it starts if not reached the minimum number of participants, without further obligation of the amounts paid by each participant.