

BDCAMP Digital Bioceramics

Craftsmanship
through Virtual Reality



17-21
JUNE

Barrio Lasier, 15 - A, 48840
Gueñes, Biscay

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**Basque
BioDesign
Center**

Biodiseño & Tecnología



WELCOME TO THE BASQUE BIODESIGN CENTER, WE ARE A CENTER FOR THE DEVELOPMENT OF CREATIVE PROJECTS, RECOVERING AND REGENERATING DISUSED LOCAL MATERIALS, PROMOTING THE CREATION OF INTERDISCIPLINARY SYNERGIES, DEVELOPING TALENT, PARTICIPATORY MANAGEMENT AND THE RELATIONSHIP WITH THE LOCAL.

We will explore the fusion between design and nature, from the collection of natural dyes to the creation of biomaterials. Participants will work on creating furniture prototypes using natural elements, guided by biodesign experts, and will culminate in presenting projects to a panel of experts, fostering connection with nature, community and sustainable creativity.

We aspire to merge the designer with nature, generating a synergy between both and exploring various branches of biodesign. In a natural environment, cutting-edge technology will be used to research and create, promoting a deep connection between the individual and their environment.



BDC is a convergence space whose mission is to promote the digital transformation of the materials of the future through experimentation, innovation and cooperation by creating technology-based solutions.

Our vision is to be an inspiring place to create, the only one of its kind in Spain, which aspires to unite the talent of our territory with those from the rest of the world and to reduce the distances between design and science.

The Basque BioDesign Center in Gueñes is a space that serves to experiment with different digital creation processes and tools, a commitment to the strategic role of creativity as a productive model, where technology, experimentation and sustainability will promote lines of action aimed at promote its integration into the objectives of the companies.

BDC is a center where design professionals, creators and professionals will be trained and advised to produce their own prototypes. Its objective is to train professionals for strategic management that facilitates the transition and redefinition of companies, businesses and services towards a sustainable and responsible economy. The BDC supports the creation and production processes, from the orientation towards innovation of the different artistic expressions, the detection and support of talent, participatory management and the relationship with the local environment.

BIODESIGN IS MAKING ITS WAY AROUND THE WORLD. UNIT DESIGN, BIOTECHNOLOGY AND INNOVATION TO REINVENT A MORE SUSTAINABLE AND REFLECTIVE FUTURE.



BDC AXES

We are committed to the creative research that combines science, design, art... so that the creators of tomorrow contribute to more responsible world for the planet. We advocate creativity, as a guide to new solutions from a perspective that someone technical would not reach, and from culture to generate narratives that reach more layers of the population.

Art_lab

Art laboratory with screen printing and paper printing workshop



Bio_labs

A laboratory for the materials development with living organisms, such as bacteria, fungi and algae...



Textil_lab

Textile manufacturing laboratory that includes: digital looms, sewing machines, textile printing...



Digital_lab

Digital manufacturing laboratory that includes: 3D printing, laser



Wood_lab

Studio dedicated to the research and development of wood-related products. Includes CNC and tooling.



Upcycling_lab

Laboratory or space dedicated to the upcycling of multiple materials, with heat presses, mixers...



TOUR VIRTUAL:

<https://www.youtube.com/watch?v=MG-uqgGvtmo>



COURSE TYPE	PROFESSIONAL TRAINING
SUBJECT	Virtual reality, 3D printing Bioceramics
TITLE	Digital Bioceramics, crafts through virtual reality
DESCRIPTION	<p>We will explore the intimate connection between the human gesture and the final piece, both in the physical and digital realms through virtual reality. Participants will learn to materialize their creativity, designing collections that fuse the manual and the virtual, with specific guidelines that will allow them to express their vision in a unique way.</p> <p>In this course you will learn how to manufacture by combining artistic creativity with biotechnology and environmental awareness. This approach not only results in unique and beautiful products, but also highlights the importance of considering sustainability and environmental impact in the creative process. Additionally, biocraft can be a way to explore and question our relationship with nature and living organisms.</p>
OBJETIVES	The Production stage will focus on the transition towards Digital Craftsmanship. We will prepare designs for 3D printing and participants will carry out the materialization of their creations, fusing manual skills with digital capabilities, in a practical and immersive experience.
CONTAINS	<ul style="list-style-type: none"> • Introduction - History of pottery • 3D printing in fluids • 3D human body scan • Print specifications • Part design, printing manual. • Design - The gesture and the relationship of the body with the piece • Design through virtual reality. • Design specifications • Design preparation • Parts production
DATES	June 17-21. 5 days in BDC
DAYS AND HOURS	Monday to Friday: 10:00/17:00
PROFESSORS	Marcel de Mederos
TOTAL HOURS	35 hours
COSTS	€475

PROFESSORS



MARCE DE MEDEIROS | BIOARTISAN

Marce de Medeiros is an Argentine designer with extensive experience in various creative fields. He began his career designing furniture and graphic campaigns for the Grido gastronomy chain. Later, he entered the world of fashion as designer and creative director of the Leche brand, as well as founder and creative director of the Milveintiuno store. Additionally, he has worked on fashion, beverage and footwear brands, holding roles as art director and technological innovation.

His academic experience includes studies in industrial design, architecture and clothing design, as well as participation in exchange programs in the United States. He has been a professor at several universities in Argentina and Spain, as well as director of postgraduate studies in advanced footwear design in Barcelona.

Marce de Medeiros has received recognition for his work, including representing Argentina at international design fairs, obtaining mentions and awards for outstanding projects, and participating as a speaker at events on digital crafts and future design in cities such as Barcelona, Bilbao and Berlin. In addition, he has been a judge in various competitions and has coordinated workshops on digital crafts in Argentina.





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