

STUDENT PROGRAMME

BULGARIA
Sofia University "St. Kliment Ohridski"

UKRAINE
Mariupol State University

ITALY
University of Trieste

POLAND
University of Silesia in Katowice

SPAIN
University of Alicante

ESTONIA
Estonian Academy of Arts

LITHUANIA
Vytautas Magnus University

SLOVENIA
University of Primorska

FRANCE
Jean Monnet University

GERMANY
Saarland University

PORTUGAL
Universidade Católica Portuguesa

DESIGN

IN

ALL ITS

FORMS

Université Jean Monnet
Saint-Etienne

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20-21

Courses


01

Bio Design:


from nature optimisation to human design & nature inspired biomimetic surfaces for biomaterials design


Course Overview

This course explores how nature optimizes and designs tissues, structures, and movements. Students will study examples of biomimicry, including human biomimicry, and further develop their understanding through guided tutorials.

 **May 19 to May 23, 9:00 AM - 1:00 PM**

 **Jean Monnet University, Tréfilerie Campus**

 **Open to Bachelor's and Master 1 students in life sciences, sports and biomedical sciences, medicine, engineering, physics, chemistry, biotechnology, and similar fields**

 **Prerequisites: Completion of, or enrollment in, the first year of a scientific bachelor's program.**

 **3 ECTS Credits**

 **Maximum 15 students**

Instructors

Alain BELLI - Jean Monnet University



I am a Distinguished Full Professor at Jean Monnet University since 1999, specializing in human locomotion biomechanics. My academic journey includes directing the Laboratory of Exercise Physiology (2008-2015) and founding the Regional Institute of Sports Medicine and Engineering (2015-2018).

Currently, I am responsible for international relations at the Faculty of Science. I actively contribute to research management and development, leading national and European projects and collaborating with companies such as Decathlon and Nike. My

work has resulted in over 120 publications, five patents, and roles as an expert evaluator in European programs like FP7 and PROsumer.net.

Bio Design:

from nature optimisation to human design & nature inspired biomimetic surfaces for biomaterials design

Alain GUIGNANDON - Jean Monnet University



Associate Professor at the Faculty of Medicine, University Jean Monnet (UJM). I have been an Associate Professor in Cell Biology at the Department of Bio-Engineering for Health, Medical School, since 2008, and at the EUR Manutech-Sleight Graduate School since 2017. I completed my PhD in bone physiology at Jean Monnet University in 1997, followed by postdoctoral research in cell signaling in space at the University of Liège's GIGA Center, supported by an ESA fellowship. As a mechanobiologist, my current research at the INSERM

SAINBIOSE unit focuses on how biomaterial surfaces modulate cell mechanics and explores the design of nature-inspired topographies created by ultrashort lasers at the Hubert Curien Laboratory. "One of the main questions in our surface design research is to find dual surfaces that are attractive to stem cells for regeneration and repulsive to bacteria or nanoparticles to limit inflammation."

Short video of interest: <https://youtu.be/tp9Fk54JIL8>

Maura STRIGINI - Jean Monnet University



I am an Associate Professor at the Faculty of Medicine, UJM. After completing my undergraduate studies in developmental biology and neurosciences in Italy (Scuola Normale Superiore, Pisa, and DIBIT, HSR, Milan), I pursued a PhD at EMBL Heidelberg, Germany. My postdoctoral research took me to the IMBB in Heraklion, Greece, and the Department of Zoology at Cambridge University, UK, where I explored fundamental developmental biology questions using the genetically tractable model system *Drosophila*.

I later became a permanent researcher in Greece before moving to France, where I initially investigated host-gut microbiota interactions in *Drosophila*. Currently, I work at the University of Saint-Etienne, focusing on the osteoarticular system. My research at the INSERM unit SAINBIOSE examines how mechanical and metabolic factors—such as mechanical unloading (e.g., spaceflight or chronic inactivity) and diets—affect the physiology and pathology of bones and joints.


Passing Design: Facilitating Innovation Through Design

Course Overview

This course highlights the key role of design in driving successful innovation projects. A strong understanding of design's potential is a valuable professional asset, enabling participants to facilitate design processes effectively without requiring extensive design training.

When should you involve design in a project? At what stage? What are the costs, advantages, and limitations? By answering these questions, you'll learn to become a design facilitator—a key role bridging design practitioners and innovation projects. You will gain the ability to mobilize designers' tools, understand their methods, and apply them to create added value for innovative products or services.

Through a combination of online preparation and an intensive in-person week, students will gain insights into design thinking, user-driven innovation, and collaborative practices. The course will culminate with a real-world case study, challenging participants to apply their knowledge as innovation project leaders.

 **May 19 to May 23, 9:00 AM - 1:00 PM**

 **Jean Monnet University, Tréfilerie Campus**

 **For Master 1 and beyond**

 **3 ECTS Credits**

 **Maximum 16 students**

Instructor

Laurent VACHERESSE - Jean Monnet University



I spend last 12 years advising SME's and organization of the good practices and use of design. Driving projects with designers, entrepreneurs, innovations project leader teach me how to mobilize and set up the good conditions to make design and designers an added value of their innovative product or service, whether technological or not.

I'm a long life training expert and a teacher in University. I develop and iterate more than 30 modules in design, design thinking and innovation by usages for the Cité du design of Saint-Etienne. I facilitate more than 50 workshop using design methods.

Passing Design: Facilitating Innovation Through Design

Course presentation

This course prepares participants to become “design facilitators”, capable of promoting and supporting the integration of design within innovation projects. Without requiring deep design expertise, the course provides key competencies for identifying, mobilizing, and showcasing design approaches across diverse contexts.

Learning objectives

- Identify and differentiate design approaches and professions.
- Master the fundamentals of user-driven innovation.
- Facilitate the integration of design into innovation projects.
- Experiment with co-creation methodologies.

Course structure

Phase 1 : Preparation (Online)

- Session 1 : Introduction - 2 hours (1 month before)
- Session 2 : Analysis and Preparation – 2 hours (1 week before)

Phase 2: T4EU Week (In Person)

Day 1

Fundamentals & analysis

- Ice Breaker (20min)
- Design Fundamentals (1h)
- Case Study Analysis (1h)
- Design Facilitator Role (40 min)

Day 3

Field Immersion

- Visit to Design Workshops/Companies in Saint-Étienne
- Hands-on Discovery (1h30)
- Creativity “Fishbowl” Session (1h30)

Day 5

Co-Development & synthesis

- Co-Development Session (2h30)
- Wrap-Up and Outlook (30 min)

Phase 3: Validation (Online)

* Session: Two weeks after – 2 hours: Submission of a project deliverable.

Day 2

Methods & tools

- Interviews (45 min)
- Persona Creation (45 min)
- Creativity Tools (45 min)
- Practical Application (45 min)

Day 4

Innovation Project Management

- Accompaniment Methodologies (1h)
- Stakeholder Mapping (1h)
- Pitching Personal Projects (1h)

Ancient design, Modern ideas.

Course Overview

Design, in all its diverse shapes and forms, is deeply rooted in Ancient times, be it architectural works, garments, or technical objects. Ancient authors and artists also showed a great interest in creating and describing decorative patterns. This course explores the evolution of design from a diachronic perspective, connecting ancient texts, images, and objects with contemporary views on design. Students will analyze and contrast historical and modern approaches, identifying both ruptures and continuities.

The course offers a unique opportunity to engage with the enduring influence of classical culture on modern design. Students will leave with a comprehensive understanding of how historical and cultural contexts shape and inspire contemporary creative practices.

 **May 19 to May 23, 9:00 AM - 1:00 PM**

 **Jean Monnet University, Tréfilerie Campus**

 **Bachelor and Master-level students**

 **Prerequisites: Interest in Antiquity and interdisciplinarity**

 **3 ECTS Credits**

Instructors

Florence GARAMBOIS-VASQUEZ

- Jean Monnet University



Professor of Latin language and literature at Jean Monnet University. My research delves into the connections between Antiquity and modern design.

Adrien BRESSON

- Jean Monnet University




A Temporary Teaching and Research Associate (ATER) specializing in ancient languages and literature. His work also focuses on the intersection of Antiquity and design in its many forms.

Design: Thinking differently, designing together

Course Overview

This course combines theoretical learning, practical workshops, and a panel discussion to explore how design can address not only the aesthetic or functional aspects of the way we live, but also social, environmental, economic, and technological dimensions of contemporary issues. Through interactions between various stakeholders (designers, architects, engineers, users, etc.), students will learn how design relies on collaboration and shared expertise. The course will include a series of online modules and in-person workshops designed to foster a collective and interdisciplinary approach to solving design challenges.

 **May 19 to May 23, 9:00 AM - 1:00 PM**

 **Jean Monnet University, Les Forges Campus**

 **All levels**

 **3 ECTS Credits**

Instructors

Gwenaëlle BERTRAND - Jean Monnet University



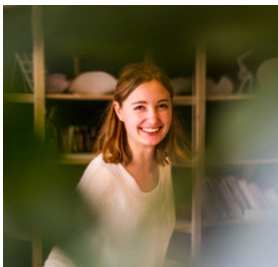
I am an associate professor in design and a member of the ECLLA research unit at Jean Monnet Saint-Étienne University. My research examines the industrial, political, and social dimensions of design and new technologies, with a focus on the study of techniques and the collaborative approach to project development.

Éva LIBRÁN PÉREZ - Jean Monnet University



I hold a Master's degree in Design, Art, and Industrial Crafts, and I currently work as a project engineer and designer for the MOSAIC European project. Specializing in design methodologies, I have collaborated with companies on various projects, focusing on collaborative design processes, developing serious games, and exploring innovative approaches.

Pauline KUNTZ - Jean Monnet University



I am a PhD student in design sciences and management sciences at Jean Monnet University. I am also involved in European research on the Arts and Crafts through the European MOSAIC project. I am exploring changes in Arts and Crafts practices in the context of sustainable transition.

Design:

Thinking differently, designing together

David-Olivier LARTIGAUD - ESADSE



I am a researcher, curator, and artist, currently a professor at both ESADSE Saint-Étienne and ENSBA Lyon. I direct the Unité de Recherche Numérique en art et design (<https://u-r-n.io>), a research unit shared by both institutions. I hold a PhD in Art Sciences and Aesthetics from Université Paris 1 Panthéon-Sorbonne.

Jérémie NUEL - ESADSE



Trained at the HEAR in Strasbourg, I am a graphic designer and a lecturer affiliated with the Random(lab) at Saint-Étienne's School of Art and Design. My work is rooted in digital practices and spans the field of design, with a particular focus on web publishing systems, databases, and free software ecosystems.

Xavier WRONA - National School of Architecture of Saint-Étienne



I am a registered architect and associate professor. Holding a PhD in architecture, I founded *Est-ce ainsi* in 2006, an agency focused on exploring the political dimensions of architecture. I lead the workshops Architecture as a Political Practice and Architecture in a World on Fire?, and co-manage the association *Après la révolution*, which applies architectural thinking to fields beyond building design.

Design:

Thinking differently, designing together

Course structure

Before the event

Online Module (1h) - Gwenaëlle Bertrand

- Online preparation for students to understand the social, environmental, and technological implications of design.
- A list of preliminary readings to be completed independently will be provided to help you deepen your knowledge and better prepare for the upcoming sessions.

May, 20

Workshop - Éva Librán Pérez & Pauline Kuntz

- Design methodologies in arts & crafts: how to navigate between know-how and innovation?

May, 21

Lecture & Workshop on Digital Art and Design - David-Olivier Lartigaud & Jérémie Nuel

- Lecture : History and theories of digital art and design from the 1950s to present. This session will provide an overview of digital design issues from the 1950s to the present day. With the help of a selection of major projects, a number of themes will be covered, including physical and graphical interfaces, parametric design and AI. Above all, this overview of the history of digital design will provide an opportunity to gain a perspective on these issues in relation to current professional choices. This presentation will be followed by a discussion with the audience.
- Workshop : The platform ourcollaborative.tools is an open database for artists and designers, dedicated to pedagogical and research purposes. It catalogs projects contributing to the digital commons. Participants are invited to explore and suggest collaborative digital artwork-tools for inclusion. Students are advised to bring laptops or digital tablets (WiFi access provided)

May, 22

Workshop - Xavier Wrona

- To be completed

May, 23

Conferences & Panel discussion - Gwenaëlle Bertrand

- Design, materials and entrepreneurial perspectives


Designs in the European Union

Legal aspects

Course Overview


This course will examine the legal aspects of design in the European Union, focusing on the new regulation regarding Community designs, which was approved by the Council of the European Union in October 2024. The regulation includes changes to the scope of protection for designs, and the course aims to study these developments in-depth. Drawing on the case law of the Court of Justice, students will assess the legal implications of the changes for designers and businesses.

The course offers students an opportunity to understand the legal landscape of design within the EU, focusing on the new regulations and their impact on both law and practice.

 **May 19 to May 23, 9:00 AM - 1:00 PM**

 **Jean Monnet University, Tréfilerie Campus**

 **Master 1 and 2 students**

 **Prerequisites: Students will be required to read documents such as Court of Justice decisions for homework (optional).**

 **3 ECTS Credits**

Instructor

Mouna MOUNCIF - MOUNGACHE - Jean Monnet University



I am a lecturer in public law at the Faculty of Law at Université Jean Monnet-Saint-Étienne, and I also serve as the deputy director of CERCRID (UMR-5137). My research focuses primarily on European Union law, with an emphasis on industrial property law, health, and the digital age. I coordinate a cross-disciplinary project called 'Law, Criticism, and Digital Technology'. I've written several books and articles on European design law, and my work explores the intersection of law, innovation, and digital transformations in the European context."


Design and language

The role of words in creating forms and meanings

Course Overview

This course explores the complex and often little-known relationship between language and design, considering language as a system of signs and design as the process of creating forms and meanings. The course will highlight how linguistics can enrich design practices, and conversely, how design can offer new perspectives on language.

Through engaging with this material, students will understand the valuable intersection of language and design and how each field informs and enhances the other. Students will explore the dynamic between signs, symbols, and their visual representations in the design process, broadening their approach to creative work.

 **May 19 to May 23, 9:00 AM - 1:00 PM**

 **Jean Monnet University, Tréfilerie Campus**

 **Students from Bachelor's to Master 2 level.**

 **3 ECTS Credits**

Instructor

Jean-Christophe PITAVY - Jean Monnet University



I have been a lecturer in general linguistics and phonetics at the Université Jean Monnet, Saint-Étienne, since 2000. My main research focuses on the syntax/pragmatics interface, the expression of person in grammar and discourse, the imaginary representation of one's native language, and the traces of language planning and engineering in natural languages.

In addition to my work at Saint-Étienne, I had the opportunity to teach for four years at Galatasaray University (Istanbul) and give various courses and seminars in cities like Athens, Bacău (Romania), Warsaw, Granada, and Ankara.

Designing Organizations to address Societal Challenges in Territories (DO-IN-ACT)


Course Overview

This course introduces students to organizational design as a response to social and ecological challenges within specific territories. Using the principle “Think globally, act locally,” participants will propose and develop actionable solutions tailored to their chosen contexts. The course emphasizes designing collective actions, such as organizations or initiatives, that address ecological and social transitions in tangible ways.

Through a combination of online modules and in-person sessions, the course culminates in the creation of practical action plans that students may implement in their own communities.

Learning objectives

- How to define and analyze a “grand challenge” within a given territory.
- To examine dominant organizational designs and understand the characteristics of specific territories (geography, economy, demographics, culture, etc.).
- To create the framework and structure of an organization and develop actionable scenarios.

 **May 19 to May 23, 9:00 AM - 1:00 PM**

 **Jean Monnet University, Tréfilerie Campus**

 **All levels**

 **3 ECTS Credits**

Instructors

Rym IBRAHIM - Jean Monnet University



I am an Associate Professor in Management Sciences. I teach entrepreneurship, management, and business strategy. My research focuses on the emergence and development of collective activities based on institutional innovation projects, as well as on entrepreneurial creativity and supporting entrepreneurs in developing their networks.

Sandrine LE PONTOIS - Jean Monnet University



I am an Associate Professor in Entrepreneurship. I focus my teaching and research on entrepreneurship (mini venture creation), social psychology, and professional practice analysis. I enjoy design thinking approaches and work on developing a toolbox to support students collaborating effectively in teams (Team boosting).

Designing Organizations to address Societal Challenges in Territories (DO-IN-ACT)

Jennifer SANIOSSIAN - Jean Monnet University



I am an Associate Professor in Management Sciences. I teach strategy, organizational structures, and the dynamics of cooperation, innovation, and creativity, with a particular focus on social and solidarity economy organizations. My research centers on constructing multi-stakeholder collective actions (meta-organizations) and managing collective territorial projects with social and solidarity objectives, using an action-research approach.

Design for Ecological Transformation


Laboratory for [living] Tree [as] Architecture

Course Overview


This course addresses the urgent need for ecological practices that go beyond anthropocentric perspectives. Trees, as victims and symbols of ecological resilience, guide participants through a shift toward more-than-human, symbiotic thinking. This unique program empowers students to rethink current sustainability challenges, integrating design, architecture, and posthumanist perspectives.

How can we redefine "growth" to embrace diverse ecosystems and shared well-being? What are the creative potentials of trees in urban and architectural practices? By answering such questions, you'll learn to foster collaboration across disciplines, engaging with innovative methods to drive ecological transformation.

Through a dynamic blend of workshops, lectures, and teamwork, participants will tackle real-world challenges aligned with the European Green Deal. Guided by international mentors, you'll develop research concepts and creative prototypes, with an opportunity to present your work at the Venice Architecture Biennale 2025.

 **May 19 to May 23, 9:00 AM - 1:00 PM**

 **Jean Monnet University, Tréfilerie Campus**

 **Open to Bachelor's, Master's, and PhD students across disciplines (design, architecture, biology, sociology, etc.)**

 **Maximum 30 students**

 **3 ECTS Credits**

Instructors

Gytis Dovydaitis - Vytautas Magnus University



I'm passionate about art, teaching, and technology. After starting as a freelance camera artist, I found that curating projects and educating others has a greater impact. With a background in management, teaching, and a PhD focusing on art and technology, I believe creative openness can solve global challenges and inspire others to transform the world.

Iván Capdevila - University of Alicante



I hold a Doctorate (2013) and multiple Master's degrees in Architecture, including an M.Arch from the Bartlett School (2004). Since 2007, I've taught at the University of Alicante and led the "More Than Green" sustainability project, internationally recognized and awarded. As head of PLAYstudio, I've won 12 awards, including four European first prizes, and designed projects in Spain, Austria, and Norway.

Design for Ecological Transformation

Laboratory for [living] Tree [as] Architecture

Neža Čebren Lipovec - University of Primorska



I am a researcher and assistant professor at the University of Primorska, specializing in architectural heritage and conservation. I hold a PhD in European and Mediterranean History and have published on heritage theory, participating in international projects. I co-coordinate activities at the Archaeological Park Simonov zaliv.

Giuseppina Scavuzzo - University of Trieste (not confirmed)



I research the symbolic dimensions of architecture, focusing on vulnerable minorities and sensory atypicalities. I led the Senshome project at the University of Trieste and now lead BeSensHome. I authored *Il Parco della guarigione infinita* (2020) and *Senshome: Architecture and Atypical Sensitivity* (2023).

Learning objectives

- Challenge anthropocentric thinking: Explore posthumanism and its implications for design beyond human-centered approaches.
- Foster interdisciplinary collaboration: Encourage cross-disciplinary teamwork to bridge diverse academic fields and experiences.
- Cultivate knowledge entrepreneurship: Develop actionable, innovative solutions to real-world sustainability challenges.

Learning outcomes

- Understand posthumanism: Gain a foundational understanding of posthumanism and its relevance in design and sustainability.
- Apply posthumanist concepts: Translate posthumanist theory into practical design and technological solutions.
- Address real-world challenges: Apply knowledge creatively to solve real-world problems through interdisciplinary work.
- Explore sustainability transformations: Critically examine and propose innovative paths to achieving sustainability in design and systems.
- Enhance collaboration skills: Develop skills in working within diverse, transdisciplinary teams.
- Improve public communication: Strengthen public speaking and presentation skills through final project presentations.
- Cultivate reflexive thinking: Enhance analytical and reflective thinking through feedback and collaborative work.

Design for Ecological Transformation

Laboratory for [living] Tree [as] Architecture

Course structure

May, 19

Lab kickoff & student presentations

- Introduction to the lab's structure and goals.
- Presentations by students already involved, sharing their research and early results.
- Open discussions and feedback to encourage critical thinking.

May, 20

Understanding “Trees as architectural allies”

- Keynotes on the role of trees in sustainable architecture.
- Team formation across disciplines.
- Initial brainstorming on integrating trees into architectural and urban design.

May, 21

Reimagining cities: “From smart cities to living ecosystems”

- Keynotes on combining digital technologies with sustainability.
- Teamwork to develop research concepts integrating living ecosystems in urban spaces.

May, 22

Human & more-than-human coexistence

- Keynotes on symbiotic cohabitation and ecological ethics.
- Teams refine their projects, incorporating social and ecological perspectives.

May, 23

Final presentations & feedback

- Teams present their research, designs, and prototypes.
- Public feedback sessions to refine ideas and presentation skills.
- Discuss transition to the next stage for the Biennale in Venice 2025.

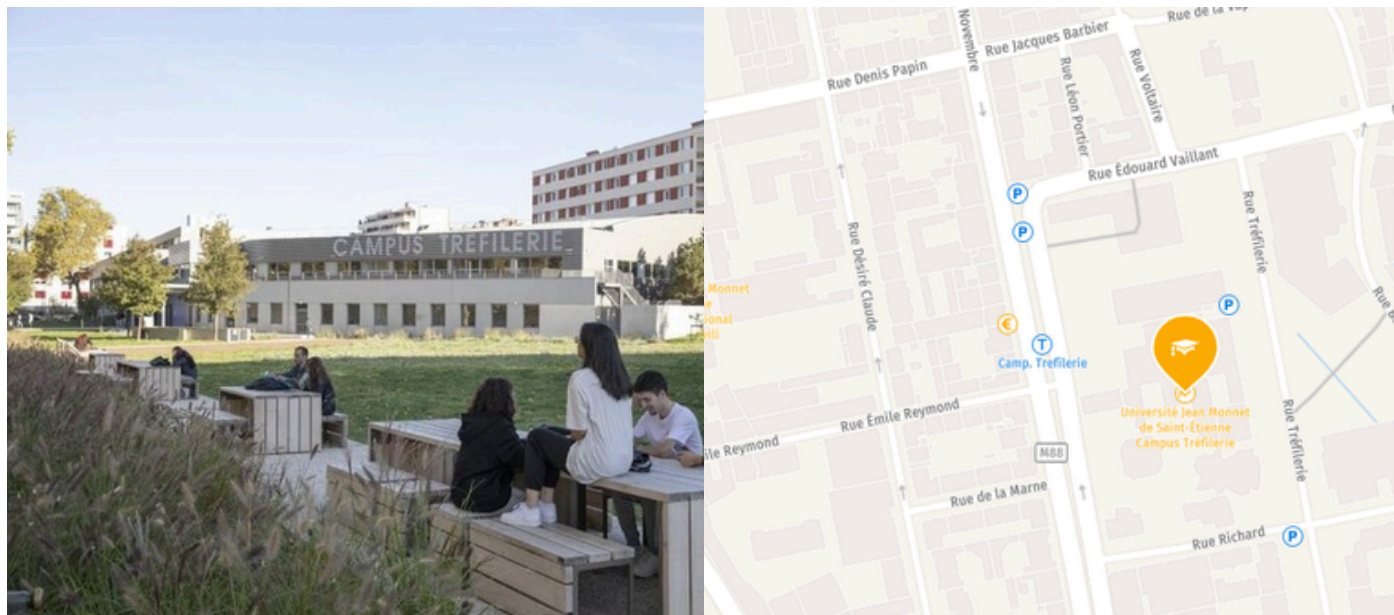
Hotels

02

Locations of the courses

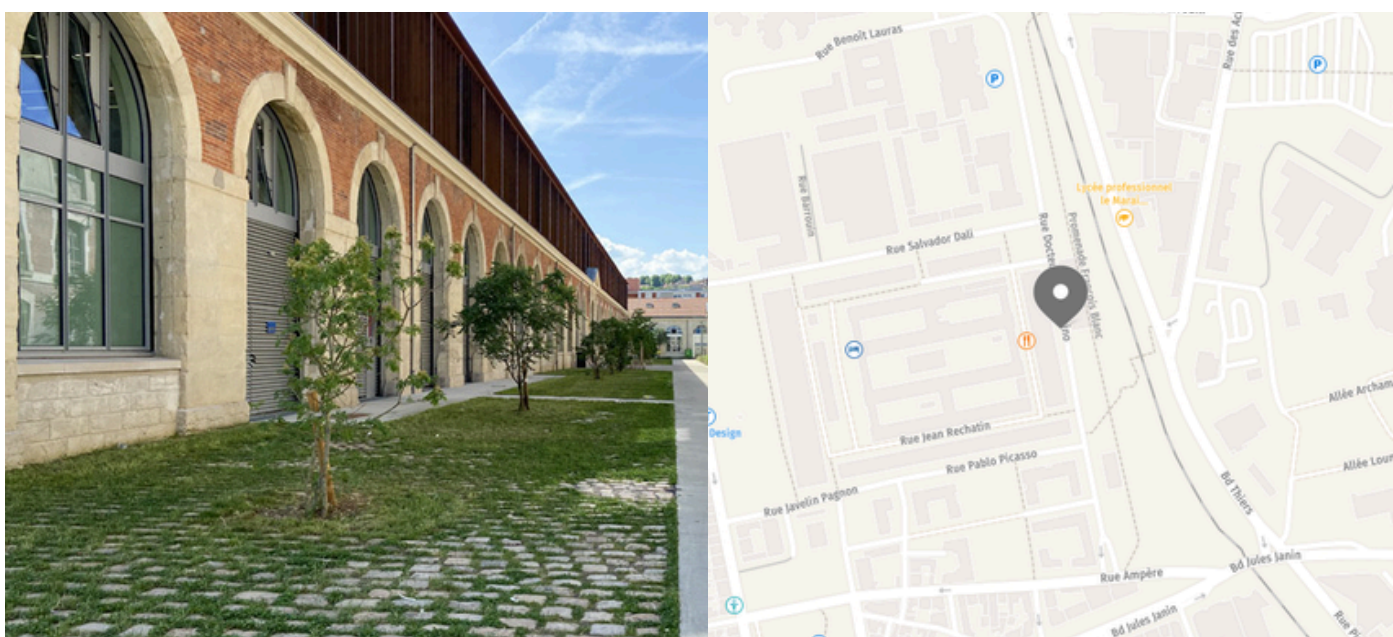
As you may have seen, there will be two different campuses for the courses offered during T4EU WEEK.

The first campus, where most of the courses will take place, is the Tréfilerie Campus, located at 33 Rue du Onze Novembre, 42100 Saint-Étienne.



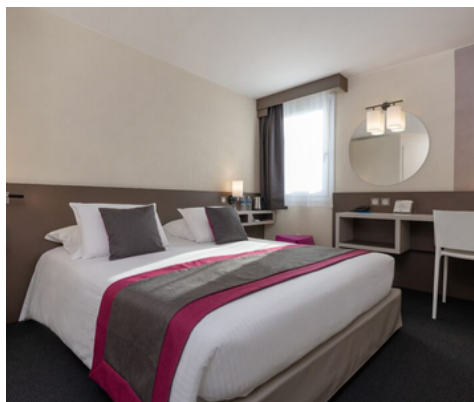
Tréfilerie Campus

The second campus, where one of the courses will be held, is the Les Forges Campus, located at 11 Rue Dr Rémy Annino, 42000 Saint-Étienne.



Les Forges Campus

Where to stay during the T4EU Week in Saint-Étienne



Kyriad Saint-Étienne Centre

Saint-Étienne, France

Tréfilerie Campus : 2.4 km

Les Forges Campus : 2.1 km

Average rate: €96.40 per night.



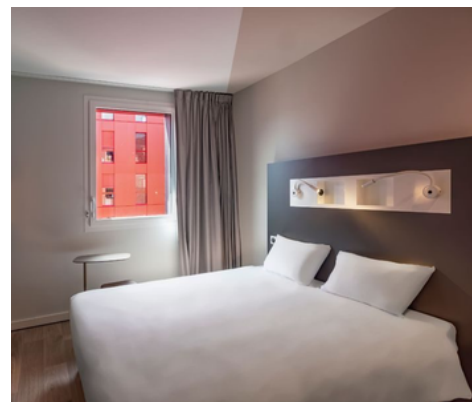
Hôtel Astoria

Saint-Étienne, France

Tréfilerie Campus : 1.8 km

Les Forges Campus : 4.3 km

Average rate: €100.47 per night.



Hôtel Ibis Budget Saint-Étienne Gare Châteaureux

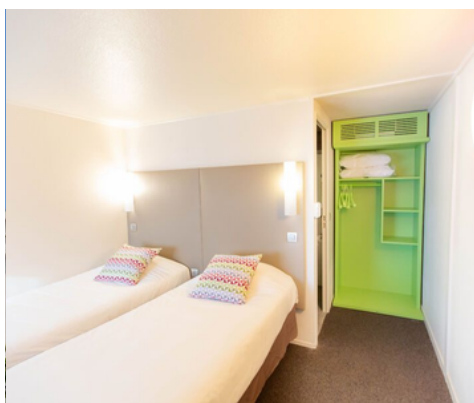
Saint-Étienne, France

Tréfilerie Campus : 2.1 km

Les Forges Campus : 1.6 km

12 rooms are pre-booked under the name of Jean Monnet University.

Average rate: €65 per night



Hôtel Campanile Saint-Etienne La Terrasse - Villars

Villars, France

Tréfilerie Campus : 1.2 km

Les Forges Campus : 3.1 km

Average rate: €58 per night.



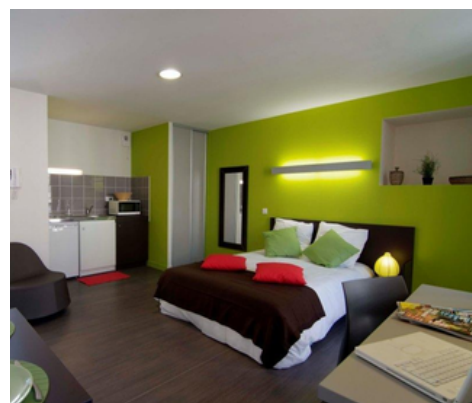
Hôtel The Originals City l'Acropole

La Ricamarie, France

Tréfilerie Campus : 3.1 km

Les Forges Campus : 6.4 km

Average rate: €70 per night.



Résidence des Arts

Saint-Étienne, France

Tréfilerie Campus : 1.3 km

Les Forges Campus : 3 km

15 rooms are pre-booked under the name of Jean Monnet University.