

AR-673

Transition workshop

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Cursus	Sem.	Type
Architecture and Sciences of the City		Opt.

Language of teaching	English
Credits	5
Session	
Exam	Term paper
Workload	150h
Hours	106
Lecture	26
Exercises	80
Number of positions	

Frequency

Every year

Remark

The course will take place in Geneva from July 8 to July 19, 2024. Application deadline : November 30, 2023

Summary

The Transition Workshop2_ Design Studio is the second practical part of a complete interdisciplinary and intensive training on the pathways for decarbonizing and resilient cities and regions, entitled Transition Workshop.

Content**TRANSITION WORKSHOP 2024: ECOLOGICAL DENSITIES. Transition Workshop 2_ Design Studio**

The *Transition Workshop2_ Design Studio* is the second practical part of a complete interdisciplinary and intensive training on the **pathways for decarbonizing and resilient cities and regions**, entitled *Transition Workshop*. The complete course aims to offer to students in the architecture and planning disciplines the necessary knowledge and know-ho to address the complex problems of the ecological transition for buildings, cities and regions. The target is to boost a new form of engagement reinforced by up-to-date interdisciplinary expertise on all scales of the design process. The TW offers a new educational framework to accelerate the ecological transition of the built realm. It aims to deepen the knowledge on the built environment and its sustainable development, create and transmit design tools and methods for decarbonizing and resilient cities, and train a new generation of professionals to face the climate emergency.

MODULE 1 / THEORY MASTERCLASS

The aim of the *Theory Masterclass* is to propose a concise and rigorous overview to the issues and dimensions of the ecological transition in the spatial organization and transformation of the built environment, with a cross-disciplinary overview of data and tools for the analysis of the climate emergencies and the ways we need to invent to face them. The *Theory Masterclass* is based on 24 courses and four coordination sessions delivered by renowned experts in a variety of fields that are indispensable for the understanding of the ecological transition: climate change, biodiversity, resources, energy, water management, food systems, psychology, sociology, economics, demographics, architecture, urbanism, regional planning, landscape. The courses offer a concise introduction to the challenges, the latest theoretical advancements and the most recent data on the environmental crisis.

The lectures are organized in the following four 2.5 day modules, and presented by an array of international experts:

1. The Challenge of the Ecological Transition / Climate change, water resources, food systems, and the ecological footprint.

February 15th - February 17th.

2. Parameters and Dimensions / Energy, resources, biodiversity, economy and history.

March 14th - March 16th.

3. The Human Factor / Psychology, innovation, mobility, entrepreneurship, and activism.

May 2nd - May 4th

4. The Building Factor / Buildings, cities, landscapes and regions.

June 6th - June 8th

Parallel to the courses, participants are handed with a *Comprehensive Reader* composed of scientific articles of the lecturers.

MODULE 2 / DESIGN STUDIO

Focusing on the critical issues of Geneva's changing landscape, the *Transition Workshop 2_Design Studio* offers a research-by-design approach to the issues of the ecological transition. The Greater Geneva is an ideal setting for the study of environmental action through architectural, urban and landscape design, thanks to a network of important public and private partners. Thanks to the concrete fieldwork the course offers a unique experience for learning cross-scalar strategies, focused on stakeholder cooperation and concrete results, at the cutting edge of design, technology and collective action.

Invited tutors: Michèle Tranda-Pittion, Guillaume de Morsier, Gwenaëlle Zunino

WORK METHOD

The Design Studio develops the transitional frameworks of:

- Theory and architectural, urban and landscape project frameworks
- Environment and resources management
- Economy and cities development
- Anthropology and sociology of habitats

The Design Studio offers insight in:

- Reuse, refurbishing, recycling of materials
- Landscape and biodiversity management
- Production/consumption of energy and other resources
- Infrastructure and mobility models
- Urban lifestyles: work, leisure, production, consumption
- Urban agriculture, permaculture and gardening
- Citizen participation

The Design Studio inter-relates the scales of:

- Buildings and neighbourhoods
- Landscapes and metropolitan regions

The Transition Workshop 2024 focuses on the crucial issue of the urbanisation of increasingly large parts of our regions (information on the selected site to come). There will be explored a matrix of possibilities, in terms of urban densification, alternative programming and mobilities, protection of natural resources and biodiversity, local agriculture and permaculture. These themes will be discussed with public and private stakeholders, under the prism of decarbonisation and resilience, according to the strategic foresight methods developed by the Fondation Brillard Architectes in the framework of The Eco-Century Project®.

Evaluation

Students will participate in interdisciplinary intensive two-week Design Studio and will deliver a final project sketch, as a teamwork. Final presentation will take place on July 12th (date to be confirmed), before a jury composed of Geneva stakeholders and experts.

Note

The workshop is being held on site (or online, for exceptional reasons only) in the exceptional historical headquarters of the Foundation, in Central Geneva.

Registration fees: <https://tw.brillard.ch/en/registration/>

CHF 2'200.- for PhD students

The Design Studio will be held in the comfortable and inspiring facilities of the Systèmes Industriels Genevois (SIG).

Keywords

Ecological transition, climate change, biodiversity loss, urban heat islands, ecological history of architecture and

urbanism, food systems, psychology of change, agency of change, ecological economics, ecological landscapes, bioregions.

Learning Prerequisites

Required courses

Theory Masterclass is a strongly recommended prerequisite for the Design Studio.

Resources

Bibliography

<https://brailard.ch/transition-workshop-bibliographie/>

Websites

- <http://tw.brailard.ch/en/>