

AR-674

**Transition workshop / Theory masterclass**

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

Language of teaching	English
Credits	3
Session	
Exam	Term paper
Workload	90h
<b>Hours</b>	<b>56</b>
Lecture	26
Exercises	30
<b>Number of positions</b>	

**Frequency**

Every year

**Remark**

Application deadline : 30th November 2023

**Summary**

The Transition Workshop1\_ Theory Masterclass is the first theoretical 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 THEORY MASTERCLASS**

The *Transition Workshop1\_ Theory Masterclass* is the first theoretical part of a complete interdisciplinary and intensive training on the **pathways for decarbonizing and resilient cities and regions**, entitled *Transition Workshop*. The second, practical part, entitled *Transition Workshop 2\_ Design Studio*.

The complete course aims to offer to students in the architecture and planning disciplines the necessary knowledge and know-how 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, develop and transmit design tools and methods for decarbonizing and resilient cities, and train new generation of professionals to face the climate emergency.

EDAR PhD Students can either attend the first theoretical part (EDAR course "Transition Workshop 2024: Theory Masterclass"), or to attend the full programme (see the EDAR Course "Transition Workshop 2024").

**Invited lecturers:**

**Graham Alabaster, Christian Aspernger, Sarah Barth, Claudia Binder, Duncan Baker-Brown, Dominique Bourg, Tobias Brosch, Peter Droege, Carmen de Jong, François Gemenne, Gregory Giuliani, Camille Gilloots, Andrea Gritti, Susanna Hecht, Alexandre Hedjazi, Pierre Hollmuller, Panos Mantziaras, Sonia Lavadinho, Anthony Lehmann, Winy Maas, Martine Rebetez, Robert Sadleir, Martin Schlaepfer, Dirk Sijmons, Paola Viganò, Marjolein Visser, Mathis Wackernagel.**

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.

## Organization

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.

## Evaluation

Following the course, PhD students will be asked to provide a final paper based on the scientific matter presented live and in the *Comprehensive Reader*. The paper is invited address the student's particular interests and scopes regarding the Transition by Design.

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

## Note

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

CHF 1'200.- for PhD students

4 sessions of two-and-a-half day, between February to June. *The Transition Workshop 1\_Theory Masterclass* is being held principally on site (Fondation Brailard Architectes, Geneva) and is complemented by the *Transition Workshop 2\_Design Studio* which can be taken together with, or separately from the present course.

## 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.

## Resources

### Bibliography

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

Enrolled students will be offered the *Comprehensive Transition Workshop Reader*, containing the content of the Theory Masterclass and of the Design Studio.

### Websites

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