GESTALTUNG 1

Institut für Gestaltung 1 | Gebäudelehre
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HABITAT INFRASTRUCTURE

New Hybrid Models for Living

Architecture has spent too long separating things: house from infrastructure, building from landscape, private from public, nature from technology.

This studio begins with the opposite idea.

What happens when these things become one?

Learning Outcome:

HABITAT INFRASTRUCTURE will explore new hybrid models in which living, working, mobility, energy, food production, landscape, and collective life are understood as part of the same architectural system.

Infrastructure will not be treated only as roads, pipes, bridges, or engineering. It will be understood as everything that allows life to happen.

Water is infrastructure.
Energy is infrastructure.
Food is infrastructure.
Mobility is infrastructure.
Landscape is infrastructure.
Information is infrastructure.

The studio will ask how these systems can generate architecture rather than simply disappear inside it.

Contents:

Traditional architecture depends on recognizable types: house, school, factory, farm, market, station. Contemporary life increasingly operates between them.

The studio will use hybridization as a design method:

House + Farm
Housing + Landscape
Workshop + Domestic Space
Mobility + Public Space
Energy + Architecture
Nature + Machine

The goal is not collage. Two familiar systems should produce a third, unfamiliar one.

Natural extreme territories like Patagonia in argentina provide an ideal laboratory. Here architecture, landscape, agriculture, mobility, climate, energy, and infrastructure exist in intense proximity. The Alps will be treated not as scenery, but as an active system.

Students will move from **type to hybrid, object to system, and building to habitat**.

Artificial intelligence, computational design, material experimentation, and digital fabrication will be combined with the intelligence of simple regional structures: barns, sheds, bridges, retaining walls, terraces, shelters, and agricultural infrastructures.

The studio will work between the primitive and the advanced, the local and the synthetic, the natural and the artificial.

The final project will propose a new model for living: somewhere between architecture, landscape, infrastructure, and habitat.

Its identity should become difficult to describe.

That is the point.

Not architecture inside infrastructure.
Not infrastructure inside architecture.
Architecture as infrastructure.
Infrastructure as habitat.

The studio will be supported by a theory seminar examining ideas of **tradition and contemporary design**, using selected historical references together with concepts that belong to the now. The seminar will create a direct conversation between theory and

design, asking how inherited architectural intelligence can be transformed rather than simply preserved or rejected.

Course Structure & Organization

Students will work individually. Each session will contain a theoretical lesson, deskcrits and specific software tutorials needed for developing the project. Progress will be reviewed weekly at the studio.

NEEDS:

Material Requirements:

Students need to bring their own laptops. Software will be accessible through educational licenses.

Tools and Techniques:

In order to apply this specific methodology, students will be instructed in specific software. No previous experience on the software will be required.

Final Deliverables & Requirements & Assessment:
Complete graphic description of the project is expected, including visualizations, drawings, diagrams, research material, and any kind of visual information that support the entire comprehension of it.

Course meetings: Thursdays

First meeting: Wednesday October 7th 2:00 pm