

AR-302(ay)

Studio BA6 (Scheidegger et Keller)

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Cursus	Sem.	Type
Architecture	BA6	Obl.
HES - AR	E	Obl.
Mob. AR	E	Opt.

Language of teaching	English
Credits	12
Withdrawal	Unauthorized
Session	Summer
Semester	Spring
Exam	During the semester
Workload	360h
Weeks	14
Hours	6 weekly
Courses	2 weekly
Project	4 weekly

Number of positions

Il n'est pas autorisé de se retirer de cette matière après le délai d'inscription.

Remark

Inscription faite par la section

Summary

It's about space!

Content

The spaces are small, following one another in rapid sequences, shifting direction, light, views, form, furniture, and use. This is living. A rich spatial experience that goes far beyond fulfilling functional requirements and measurable parameters.

Over the course of two semesters, we explore the spatial potential of housing on an individual site. The goal is to create generous and versatile spaces within a small area. A way to respond to limited resources through spatial strategies. We experiment with parametric tools to transform familiar rooms and apartments, explore variations, refine spatial relationships, discover geometric possibilities, and define architectural principles. Simultaneously we are using analog spatial techniques, to analyse, develop, and present the projects.

Exercises

Exercise 1: The room

Exercise 2: Society of rooms

Exercise 3: The house as a society of rooms

Teamwork

Exercise 1: Individual

Exercise 2: Individual

Exercise 3: Group of two

Schedule

Exercise 1: ~ 3 weeks

Exercise 2: ~ 3 weeks

Exercise 3: ~ 8 weeks

Tools

Parametric (Grasshopper) and analog tools

Assessment Criteria

Idea
Spatial resolution
Process
Presentation

Theory

Lectures and discussions on housing
Lectures on parametric design and tools

Study Trip

Fall 2025, Zurich and Bern, November 8-9, 2025
Spring, TBD

Lecturer

Christian Scheidegger, Jürg Keller

Assistant

Damian Cortés

Learning Outcomes

By the end of the course, the student must be able to:

- Develop spatial concepts that go beyond functional and measurable parameters
- Formalize abstract spatial ideas into tangible architectural proposals
- Design iteratively through computational and analog methods
- Elaborate physical and digital models to test and present design ideas

Teaching methods**Costs**

Material (modelmaking): CHF 150.00
Rhino 8: free with VDI
Study trip: CHF 350.00

Assessment methods

Exercise 1: 20%
Exercise 2: 20%
Exercise 3: 60%

Supervision

Office hours	Yes
Assistants	Yes

Resources**Virtual desktop infrastructure (VDI)**

No

Moodle Link

- https://go.epfl.ch/AR-302_ay