

AR-402(ay)

**Studio MA2 (Scheidegger et Keller)**

Keller Jürg Bernhard, Scheidegger Christian Eric

Cursus	Sem.	Type
Architecture	MA2, MA4	Obl.
Mob. AR	E	Opt.

Language of teaching	English
Credits	12
Withdrawal Session	Unauthorized Summer
Semester Exam	Spring During the semester
Workload	360h
Weeks	14
<b>Hours</b>	<b>6 weekly</b>
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
Assistant.e.s	Yes

**Resources****Virtual desktop infrastructure (VDI)**

No

**Moodle Link**

- [https://go.epfl.ch/AR-402\\_ay](https://go.epfl.ch/AR-402_ay)