

AR-301(d)

Studio BA5 (Fröhlich M. & A.)

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| Cursus | Sem. | Type |
|--------------|------|------|
| Architecture | BA5 | Obl. |
| HES - AR | H | Obl. |
| Mob. AR | H | Opt. |

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|----------------------|---------------------|
| Language of teaching | English |
| Credits | 10 |
| Withdrawal | Unauthorized |
| Session | Winter |
| Semester | Fall |
| Exam | During the semester |
| Workload | 300h |
| Weeks | 14 |
| Hours | 6 weekly |
| Courses | 2 weekly |
| Project | 4 weekly |
| Number of positions | 35 |

It is not allowed to withdraw from this subject after the registration deadline.

Remark

Inscription faite par la section

Summary

Dealing with the building complex of the former Agricultural Research Center in St. Aubin the atelier will focus on different level of reuse. Starting with the inventory and analysis of the existing building complex we will deal with its programmatic and spatial reorganization.

Content**GENTLE BRUTALISM**

The building complex is located on the Broye's plain. It is an independent enclosed system, a cluster of buildings. An orthogonal network of service roads, canals and windbreaker strips structures the site. Designed by the architects J. Zweifel and H. Strickler, and built from 1967 to 1970, the buildings are laid out in a carpet-type one-storey reinforced concrete system. As a witness of the Brutalist period, the appearance of the buildings embodies its typical characteristics: a structure entirely exposed and the valuation of raw materials.

We will begin the project with a field trip to the site in St. Aubin (Fribourg) under a workshop format to analyse and track the building from the 22.-24. September 2017. Attendance is obligatory.

The main pedagogical goal of the course will be to address the issue of complex planning as well as programmatic and spatial reorganization while dealing with an existing built structure almost the size of an entire neighbourhood. The program has to develop with regard to the existing building complex. In order to create a consistent architectural project we will focus on different degrees of precision, scales and atmospheres with a range extending from large public spaces to intimate private ones.

To approach this complex task, we will start the semester by developing and establishing a collective database that will serve us throughout the following design process. This initial research phase will take place in groups of approximately 6 students. It implies the analysis of the capability of reuse of structure and materials as well as a research on its future potential. Based on this knowledge, individual architectural designs will be developed in teams of two.

While the project during the autumn semester will deal with the complexity of organization and program at an urban scale, we will transfer the same issues to a smaller space during the second semester. Working with the selected reusable elements of the building, the result will be a 1:1 art pavilion in collaboration with UNIL.

In the period during the semester break (February) a self-organised study trip is intended. The place and the topic are jointly discussed at the beginning of the course.

Keywords

Tradition and Modernity - Image and Reference - Complexity and Logistics - Large Scale and Small Scale - Production and Housing - Typology and Adaptation - Location and Context - Material and Atmosphere - Object and Ensemble - Use and Reuse.

Learning Outcomes

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

- Analyze a site, its context and an existing building structure.
- Generate and integrate new functions; compare, research and apply different adequate typologies.
- Create spatial and tactile atmospheres.
- Develop independently a consistent architectural project.
- Explain a design concept and its theoretical framework.
- Present a project in an adequate and clear manner using various means of presentation.

Teaching methods

Group work, individual work, lectures, studio work, round table discussions, study trip, intermediate review and final review with guest critics.

Expected student activities

Studio work, team work, participation in various pedagogic activities, analysis of the site, development of a program, presentation of the project by means of drawings, visualizations, oral presentations and models ranging from 1:1000 to 1:1 scale, practical and manual skills.

Assessment methods

Evolution of the project through studio work, table critics, participation in pedagogic activities (15%), Intermediate critics (25%), Final jury (60%).

Supervision

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|--------------|-----|
| Office hours | Yes |
| Assistants | Yes |

Resources

Websites

- <http://east.epfl.ch>