

Professors:

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EXERCISE 3 PROGRAM: ARCHITECTURE, SPACE AND TECTONICS

OBJECTIVES

Exercise 3 aims to explore the constitutive material expression of space, developing the ideas of materiality of exercise 2.

The student is expected to develop the following skills:

- Capacity to develop the design solutions, deepening the material characteristics of space with coherence.
- Deepening disciplinary culture to support the design process, cultivating an awareness of architectural language.
- Understanding space, its dimensions, ergonomic relationships with human movement, and dynamic perception as a reference for its transformation through design.
- Capability to develop and realize an architectural idea through design, exploring the relationships between form, language, and materiality.
- Exploration of materiality issues within architectural space, addressing its plastic expression and introducing construction-related concerns.
- Mastery of project representation techniques (manual methods), combining two-dimensional representations and exploring three-dimensional spatial thinking, ensuring spatial, dimensional, and expressive control of precise drawings and models.

PROGRAM / Syllabus

Exercise 3 develops selected parts of the project developed in Exercise 2, giving concrete form to the ideas of materiality through the constitutive definition of space. It also provides a first introduction to questions of construction, in an elementary and exploratory manner.

To this end, a section of a cross-section and a floor plan, representative of the project and encompassing its most relevant spaces, are produced at a scale of 1:50, according to the layout provided in the appendix.

This exploration should be accompanied by research to support the project, which must be integrated into the working process and cover:

- » Characteristics, standard commercial dimensions, examples of composition, and methods of application of the materials used, as well as their plasticity in shaping space.
- » Pesquisa de referências arquitetônicas de suporte ao projeto, incidindo sobre obra construída com a materialidade explorada.

CALENDAR

- Exercise 3 launch: Class 21, December 2nd.
- Delivery of exercise 3: Class 27, January 13th.

EVALUATION

The exercise is based on a continuous assessment process and regular interaction between the teaching team and the work produced by the student, both in the classroom and during independent work. The evaluation criteria are considered throughout all the classes, not just at the final submission.

The assessment criteria for the exercise focus on the previously identified exercise objectives and on the quality of individual participation, attendance, and punctuality of the students:

The assessment criteria for the exercise are as follows:

- C1 - Creative ability, developing the design solutions with coherence: 10%.
- C2 - Deepening of disciplinary culture as a support for the project: 10%.
- C3 - Suitability of the design solution, including:
 - Adequacy of the response to the functional program: 10%.
 - Ability to realize an idea through the project: 10%.
 - Spatial and aesthetic quality of the architectural object: 10%.
- C4 - Control and intent in addressing materiality: 10%.
- C5 - Mastery of project representation techniques (manual methods): 10%.
- C6 - Development and quality of the design process: 20%.
- C7 - Quality of participation in classes, attendance, and punctuality: 10%.

BIBLIOGRAPHY

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ZUMTHOR, Peter, *Atmosferas*, Barcelona, Ed. Gustavo Gili, 2006.

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