

Trafaria, 1900.

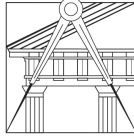
Academic Year 2020 - 2021
Integrated Master in Architecture
4th Year – 2nd Semester

CURRICULAR UNIT
Project Laboratory V

FAUL, February 2021

Coordination: João Sousa Morais

Professors: João Sousa Morais, António S. Leite, Hugo L. Farias, Miguel Baptista-Bastos, Soledade Paiva de Sousa



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THE PUBLIC BUILDING AS AN URBAN FACT. The materiality of the Project.

Coordination: João Sousa Morais

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Introduction

In continuity with the work carried out in the first semester in the Curricular Unit of Project Laboratory IV, this semester's project exercise will take place in Trafaria, in the previously proposed expansion area, or in its consolidated fabric of the city.

Study Subject

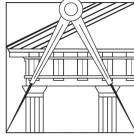
In the Roman city, the public building was an integral part of the "res publica", and assumed urban disciplinary functions that regulated public spaces. Its image and subsequent language is the result of its design options, in which the design of the construction system and the detail of its vocabulary will guarantee the quality of the building project.

The path of the project laboratory will count on the essential articulation with the different curricular units of this semester, namely with regard to Restoration and Rehabilitation Technologies, which will focus on the analysis and the propositional value of the pre-existing building, in parallel with the CU Conservation and Restoration. The CU Economy of the Project will verify the economic value of the public building as well as the added value in the real estate market.

The public building to be projected will have an area of approximately 1200 m², with all the functional requirements of the selected program, a Museum of the Tagus Estuary. The Museum project will be developed through a program provided by the Professors after research in the classes.

Study Area

The study area corresponds to the area studied and projected during the first semester, the southern expansion of Trafaria. The urban intervention carried out included the old barracks, now deactivated, and the entire valley area. The relationship between this new urban structure and the northern zone was intended, namely in the area defined in the annexed plan.



PHASES OF THE EXERCISE

1st Phase

Corrections to the proposed Urban Design, based on the criticisms made in the previous evaluation, and the particular location and development of the public buildings.

Exercise elaboration time: 3 weeks.

Pieces to be delivered: Plans, sections, elevations, 3D virtual model, study model.

Reference scales: 1:1000 and 1:500.

Research on similar equipment (in groups): 2 weeks.

2nd Phase: Preliminary Study of the Public Building

Exercise elaboration time: 2 weeks.

Pieces to be delivered: Plans, sections, elevations, 3D virtual model, study model.

3rd Phase: Project of the Public Building

Exercise elaboration time: 4 weeks.

Pieces to be delivered: Plans, sections, elevations, 3D virtual model, study model.

4th Phase: Constructive detailing and materialization

Project development, which should include:

- Definition of construction system
- Map of Finishings
- Constructive Detailing
- Definition of requirements for the inclusion of projects of different specialties.

Scales of reference: 1:50 to 1:20.

Exercise elaboration time: 4 weeks.

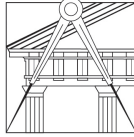
Pieces to be delivered: Plans, sections, elevations, 3D virtual model, study model.

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Trafaria, 2020.

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Lisbon, February 2021