



NAAB International Certification

Appendix 1: Template for Course Descriptions [limit 1 page per course]

Number & Title of Course (total credits awarded):

ARCH102 - Design Studio II - Semester 2 - ECTS 12 - Cycle/Profile: 1st. Cycle/Core - Scientific Area: AU- Architecture and Urbanism

Course Description (limit 25 words)

Mastering conceptual elements of Architectural Composition; Material, Constructive, Programmatic definition, Environmental integration and introduction to principles and matrices of Settlement Design.

Course Goals & Objectives (list):

1. To master Design thinking and Architectural design skills.
2. To keep developing professional communication skills through graphical representation, drawings, 3d models, photography, videos, orthogonal projects, critical verbal and written argumentation.
3. To use precedence for analysis and comprehension of architectural and urban paradigmatic cases.
4. To apply integrated structural systems and programmatic requirements to develop spatial and material compositions.
5. To use environmental and framing elements of an urban-architectural design: topography, winds and solar orientation, bioclimatic principles, urban and landscape contexts, framing views, lines of forces.
6. To raise awareness about sustainability and ecological footprint of architectural and urban practice from project models to building materials (ex. timber).

Student Performance Criterion addressed (list number and title):

Primary - A.1 Professional Communication Skills; A.4 Architectural Design Skills; B.2 Site Design; Secondary - A.2 Design Thinking Skills; A.5 Ordering Systems;

Topical Outline (include percentage of time in course spent in each subject area):

Studio Design Work with Tutoring: 30%
Studio Design Independent Work: 40%
Site Visits: 2.5%
Lecturing: 10%
Seminar Sessions: 2.5%
Critics and Final review: 5%
Readings and Investigative Work: 10%

Prerequisites:

It does not have;

Textbooks/Learning Resources:

CAMPO BAEZA, Alberto: A ideia Construída, Caleidoscópico, Lisboa, 2004
CULLEN, Gordon; PAISAGEM URBANA, Lisboa, Edições 70, 1983
GEHL, Jan; A VIDA ENTRE EDIFÍCIOS, Lisboa, Tigre de Papel, 2017
LAMAS, José Ressano Garcia; MORFOLOGIA URBANA E DESENHO DA CIDADE, Lisboa, Fundação Calouste Gulbenkian, 2010
PINTO, Jorge Cruz: Eloge du Vide Réduction, Production et Réception en Architecture, Le Carré Bleu, Paris, 2010

Offered (semester and year):

1st Year - Spring;

Faculty assigned (list all faculty assigned during the two academic years prior to the visit):

Ana Cristina Oliveira Vasconcelos; Carla Sofia Alexandrino Pereira Morgado; Francisco José de Almeida dos Santos e Agostinho; Joana Raquel de Sousa Basto Malheiro; João Francisco Freitas Figueira da Silva; Jorge Filipe Ganhão da Cruz Pinto; Ljiljana Cavic; Pedro Miguel Pinheiro Alves Cabrito;