



NAAB International Certification

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

Number & Title of Course (total credits awarded):

ARCH511 - Architecture in the Anthropocene and Sustainability in Design (Arch) - Semester 9 - ECTS 6 -
Cicle/Profile: 2nd. Cycle/Integr. Arch. - Scientific Area: AU-Architecture and Urbanism

Course Description (limit 25 words)

Relation between architectural practice and sustainability, within the Anthropocene. Causes, manifestations, and action lines of the anthropogenic phenomena, within a dynamic and evolutive framework.

Course Goals & Objectives (list):

Understand the causes.

Understand the manifestations.

Understand lines of action.

Be able to correlate phenomena.

Acquire the needed skills and knowledge to be able to incorporate this thematic in the conceptual development of the architectural idea, all the way through the final built work.

Student Performance Criterion addressed (list number and title):

Primary - A.6 Use of Precedents; B.6 Environmental Systems; C.2 Integrated Evaluations and Decision-Making Design Process; Secondary - D.4 Legal Responsibilities; D.5 Professional Conduct;

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

Lecturing □ 28 hours

Tutoring □ 28 hours

Seminar Sessions - 28 hours

Readings - 28 hours

Investigative Work □ 28 hours

Studio Work □ 28 hours

Prerequisites:

It does not have;

Textbooks/Learning Resources:

IPCC (2022). Climate Change 2022: Impacts, Adaptation and Vulnerability + Mitigation of Climate Change.

UNEP □ Sustainable Development Goals □ UN

Calder, Barnabas (2019). Architecture □ From prehistory to climate emergency. Pelican.

Fernández-Galiano, Luis (2016). Architecture and Life □ Anthropocene, Fifteen Thesis, Manufactured Environment. in Arquitectura Viva. N.º 189, Antropoceno, Madrid.

Pelsmakers, Sofie et al. (2022). Designing for the Climate Emergency □ A guide for Architecture Students. RIBA.

Offered (semester and year):

5nd Year - Fall;

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

António José Damas da Costa Lobato dos Santos; Carlos Alexandre Coutinho Mesquita; Carlos Jorge Henriques Ferreira; Daniel Maurício Santos de Jesus; Francisco José de Almeida dos Santos e Agostinho; João Manuel Pereira de Carvalho; Jorge Virgílio Rodrigues Mealha da Costa; José Luís Mourato Crespo; Ljiljana Cavic; Luís Augusto da

Costa Ávares Rosmaninho; Paulo Manuel dos Santos Pereira de Almeida; Pedro Manuel Dos Santos Lima Gaspar;
Pedro Miguel Gomes Januário; Raffaella Maddaluno;