



NAAB International Certification

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

Number & Title of Course (total credits awarded):

ELINTR401 - Elective I: Building Material Stewardship - Adaptability, Reversibility and Reuse - Semester 7 - ECTS 3 - Cycle/Profile: 2nd. Cycle/Electives - Scientific Area: TAUD-Technologies of Architecture, Urbanism and Design

Course Description (limit 25 words)

Building Material Stewardship - Contribution to Sustainable Constructions, Historical and Contemporary Examples, Fundamental concepts and strategies.

Course Goals & Objectives (list):

Acquire and consolidate knowledge of the performance of buildings over time.

Understand relationship between sustainable construction and rehabilitation.

Expand the understanding of the concept of "building rehabilitation", including reuse of entire buildings, components and materials, as well as its implications.

Build a frame of reference of qualified examples (historical, contemporary).

Acquire skills to apply strategies for the preservation of material resources in a project (in new construction or rehabilitation).

Student Performance Criterion addressed (list number and title):

Primary - A.2 Design Thinking Skills; A.4 Architectural Design Skills; B.8 Building Materials and Assemblies;
Secondary - C.3 Integrative Design; D.5 Professional Conduct;

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

Lecturing: 40%

Site Visits: 10%

Studio Work: 40%

Critics: 10%

Prerequisites:

It does not have;

Textbooks/Learning Resources:

Addis, B. (2007) Building with reclaimed components and materials: A design handbook for Reuse and recycling. London: Earthscan.

Brand, S. (1996) How buildings learn: What happens after they're built. London: Penguin Books.

Santos, A. (2010) Desconstrução de Edifícios: Uma Perspectiva Arquitectónica. Dissertação de Doutoramento

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; João Nuno de Carvalho Pernão;