



**NAAB International Certification**

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

**Number & Title of Course (total credits awarded):**

ELTECH4&502 - Natural Resources - Semester - ECTS - Cycle/Profile: - Scientific Area:

**Course Description (limit 25 words)**

Preserve and rational use of natural resources (ecosystems, biogeochemical cycles, materials and energy) in Architecture Design and Urban Planning activities.

**Course Goals & Objectives (list):**

The topics covered provide a global overview of the problems and lines advocated by the SDG in the fields of architecture and urban planning.

**Student Performance Criterion addressed (list number and title):**

Primary - A.3 Investigative Skills; A.6 Use of Precedents; A.7 History and Global Culture; Secondary -

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

Lecturing - 50%;

Readings - 30%;

Investigative Work - 20%

**Textbooks/Learning Resources:**

Craig, J.R.; Vaughan, D.J.; Skinner, B.J. (2007) Recursos de la Tierra: origen, uso e impacto ambiental. 3ª edición. Pearson Educación, Prentice Hall, Madrid;

European Environment Agency (2005) Sustainable use and management of natural resources. Copenhagen;

UNEP, IRP (2019). Global Resources Outlook 2019: Natural Resources for the Future We Want;

Stahel, W.R. (2016) The circular economy, Nature, Vol. 531 No. 7595, pp. 453-438

**Offered (semester and year):**

2nd Year - Fall;

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

Jorge Manuel Tavares Ribeiro;