



**NAAB International Certification**

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

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

ELTECH4&506 - Wood Construction - Semester - ECTS - Cycle/Profile: - Scientific Area:

**Course Description (limit 25 words)**

Anthological view of timber construction in the West

Materials, characteristics and use

Design, detailing and protection by design

Wood construction systems

Modularity and prefabrication

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

Provide students with the technical knowledge that will enable them to adequately carry out projects in wooden structures with an emphasis on detailing and protection by design

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

Primary - A.4 Architectural Design Skills; B.5 Structural Systems; Secondary -

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

Lecturing 12h

Tutoring 18h

**Textbooks/Learning Resources:**

- ALMEIDA, PAULO PEREIRA, Construção de Madeira: Sistemas e Materiais, Caleidoscópio, 2019
- ALMEIDA, PAULO PEREIRA, Manual de Prescrição em Madeira: Light framing, Caleidoscópio, 2019
- ALMEIDA, PAULO PEREIRA, Construção em Madeira: Glossário, Caleidoscópio, 2019
- AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, Timber Construction Manual, 6th edition, John Wiley and Sons, New York, 2012
- HERZOG, T. et al, Timber Construction Manual, Birkhauser, Basel, 2004.

**Offered (semester and year):**

2nd Year - Fall;

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

Paulo Manuel dos Santos Pereira de Almeida;