



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 - Cicle/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;