



NAAB International Certification

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

Number & Title of Course (total credits awarded):

ELTECH4&501 - Morphological and Spatial Semantic Analysis, an Introduction - Semester - ECTS - Cycle/Profile: - Scientific Area:

Course Description (limit 25 words)

The course introduces the fundamentals of space syntax theory, provides tools and resources to explain different types of spatial phenomena in buildings and urban areas

Course Goals & Objectives (list):

representations of space, through their geometric shapes and the way people experience them
analysis of the spatial relationships that result from its configuration
interpretative models to analyse, describe, explain and predict different types of spatial and socioeconomic phenomena
theories about the relationships between spatial and social patterns explore whether and how space is internalized in the socioeconomic processes through which the built environment is created

Student Performance Criterion addressed (list number and title):

Primary - A.3 Investigative Skills; C.1 Research; Secondary -

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

Lecturing 30%
Studio Work / Tutoring 30%
Critics 10%
Readings - 10%
Design independent work 20%

Textbooks/Learning Resources:

AL_SAYED, K., TURNER, A., HILLIER, B., IIDA, S., e PENN, A. Space Syntax Methodology. 2014
HILLIER, B. e HANSON, J. The Social Logic of Space. 1984
HILLIER, B.; PENN, A.; HANSON, J; GRAJEWSKI, T. e XU, J. Natural Movement: or, configuration and attraction in urban pedestrian movement. 1993
RIBEIRO, J., SERDOURA, F., BOTAS, V., ESPÁRITO SANTO, F., HENRIQUES, A. & LOPES, P. Análise Multivariada de Dados e a Aplicação ao Planeamento Urbano. 2006
SERDOURA, F. A Emergência de Novas Centralidades, O caso de Lisboa. 2008

Offered (semester and year):

2nd Year - Fall;

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

Francisco Manuel Camarinhas Serdoura; Jorge Manuel Tavares Ribeiro; José Nuno Dinis Cabral Beirão;