



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 - Cicle/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

interpretative models to analyse, describe, explain and predict different types of spatial and socioe 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., ESPÍRITO 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;