NAAB International Certification

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

Number & Title of Course (total credits awarded):
SS201 - Geography - Semester 3 - ECTS 6 - Cicle/Profile: 1st. Cycle/Core - Scientific Area: CST-Social and Territorial Sciences

Course Description (limit 25 words)
The Geography course is intended to provide students awareness of the implications of the existing natural and built environment for their architectural practice.

Course Goals & Objectives (list):
Physical Geography: Identify main landforms and their evolution, Recognize the main geomorphological processes that originate natural risks, Distinguish weather and climate, Identify the main world climates and the phenomena that originate regional and local climates, Define urban climate and its relationship with human intervention, To know climate changes and the main adaptation and mitigation strategies
Urban Geography: Distinguish between city and urban centre, To know the main actual tendencies of world urbanization, Identify the main urban structure models and the changing processes, Identify the processes of alteration of urban activities and residential segregation, Recognize the impact of transportation in land use evolution and the feedback cycle
Geographic Information Systems: Recognize and distinguish raster and vector data models, Create a digital terrain model, slope maps and solar exposition maps with GIS, create thematic vectoral cartography with GIS

Student Performance Criterion addressed (list number and title):
Primary - A.3 Investigative Skills; B.2 Site Design; Secondary - A.6 Use of Precedents; C.1 Research;

Topical Outline (include percentage of time in course spent in each subject area):
Total contact hours: 60
Total independent work: 90
Lecturing: 17.33%
Studio Work: 17.33%
Independent work: 32.0%
Investigative work and readings: 30.67%
Final Review: 2.67%

Prerequisites:
It does not have;

Textbooks/Learning Resources:
Holden, J. (2017) An Introduction to Physical Geography and the Environment. Pearson Education, UK
Olgay, V (1998) Arquitectura y Clima: Manual de disen?o bioclima?tico para arquitectos y urbanistas, Barcelona GG Pacione, M (2005) Urban geography. Londres, Routledge.
Salgueiro, T. (2001) Lisboa, periferia e centralidades. Oeiras, Celta Editora.
Longley, P., Goodchild, M., Maguire, D. & Rhind, D. (2005). Geographical Information Systems and Science (2nd ed.). New York, NY: John Wiley & Sons.

Offered (semester and year):
2nd Year - Fall;

Faculty assigned (list all faculty assigned during the two academic years prior to the visit):
Cristina Delgado Henriques; David Sousa Vale; José Luís Mourato Crespo; Maria da Graça Santos Antunes Moreira; Maria Elisabete Ferreira Freire;