



## NAAB International Certification

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

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

ELURB511 - Elective IV: Sustainable Urban Mobility - Semester 9 - ECTS 3 - Cycle/Profile: 2nd. Cycle/Electives - Scientific Area: CST-Social and Territorial Sciences

#### Course Description (limit 25 words)

This course covers four main contents: Urban Mobility, Accessibility, Promoting Sustainable Urban Mobility, Current Challenges and Urban Mobility in the Future

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

- . Train students with knowledge about urban mobility, its determinants and its relationship with architecture and urbanism, as drivers of the built environment
- . Train students with knowledge about multimodal accessibility, and the determining role of architecture and urbanism for the conditions of accessibility of place
- . Train students with knowledge about the main territorial policies and sectorial policies for the promotion of sustainable urban mobility and its materialization in territorial management instruments
- . Empower students with knowledge about new transport technologies and their predictable consequences for urban mobility of the future
- . Complement and reinforce the training of students in Geographic Information Systems (GIS), namely network analysis and geographic interpolation.

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

Primary - A.3 Investigative Skills; C.1 Research; Secondary - C.2 Integrated Evaluations and Decision-Making Design Process;

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

Lecturing: 18 hours  
Studio Work: 8 hours  
Final Review: 2 hours  
Independent work: 16 hours  
Investigative work: 12 hours  
Readings: 19 hours

#### Prerequisites:

SS201 - Geography;

#### Textbooks/Learning Resources:

Alves, R., & Vale, D. S. (2018). Integração de usos do solo e transportes em cidades de média dimensão. Lisboa: Livros Horizonte.

Bertolini, L. (2017). Planning the mobile metropolis: Transport for people, places and the planet. London: Palgrave.

Cervero, R. (1998). The Transit Metropolis: A Global Inquiry. Washington, D.C.: Island Press.

Levinson, D. M., Marshall, W., & Axhausen, K. W. (2017). Elements of Access: Transport Planning for Engineers, Transport Engineering for Planners. s/l: Blurb.

Newman, P., & Kenworthy, J. (2015). The end of automobile dependence: How cities are moving beyond car-based planning. Washington, Covelo and London: Island Press.

**Offered (semester and year):**

1st Cycle - Fall;

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

David Sousa Vale;