



WEEX : MOBILITÉS

WEEX 1

Lecturers: **Olivier BAREILLE, Sylvie MIRA**

| Lecturers : 0.0 | TC : 0.0 | PW : 0.0 | Autonomy : 0.0 | Study : 0.0 | Project : 0.0 | Language : MI

Objectives

The course aims to have students work on a current, complex and multi-skilled theme: urban mobility.

Students will have to propose smart and sustainable mobility solutions on a delimited geographical space, by deploying modeling tools on mobility databases.

The course aims to anchor the analysis of mobility problems in a specific socio-historical context.

Keywords : urban mobility, traffic modeling, data visualization, business model

Programme

Analysis of urban mobility data bases in foreign languages (German, English, Spanish, French (for foreign students))
Problems identification
Modeling and optimization of flows
Data visualization
Usage scenarios and business model

Learning outcomes

- Know how to analyse mobility data bases in a foreign language and accordingly with the cultural and historical context
- Be able to propose use and economic scenarios
- Know how to model and optimize mobility flows
- Know how to use data visualisation tools

Independent study

Objectifs : Present solutions to solve a mobility issue

Méthodes : Group work

Core texts

Assessment

Pitch the solution in the language of the concerned country (German, English, Spanish or French)
Detail the solution in a bilingual report