250ST2035 - Developing Mobility (C+D)

Degree competences to which the subject contributes

Basic:
CB9. (ENG) Que els estudiants sàpiguen comunicar les seves conclusions i coneixements (i darrers raonaments que els sostentin), a públics especialitzats i no especialitzats de manera clara i sense ambigüitats.

Specific:
CEMEI18. Knowledge about manufacturing, construction, facilities, infrastructures, and urban design in the field of industrial engineering.
CEEORG2. Design, develop and apply analytical methods (quantitative methods, statistics, models and decision tools) in order to make strategic, tactical and operational decisions for organizations.

General:
CGMEI03. (ENG) Dirigir, planificar i supervisar equips multidisciplinaires.

Teaching methodology

Lectures accompanied by tutorials and workshops and independent study.

Learning objectives of the subject

The aim is to present the concept of sustainable community-based city, pursuing a clear understanding of:

i) Forces that shape the contemporary urban spatial structure
ii) The relationship between morphological and functional dynamics – stocks and flows in cities
iii) The relationship between spatial configuration/urban landscape and sustainable mobility
iv) The role of the GIS-based spatial and network analysis, big-data and information-based decision-making in contemporary urban studies and policies
50% coursework + 50% exam

**Bibliography**

**Basic:**
