



**Universitat Autònoma
de Barcelona**

Mobility and Transport

Code: 101599
ECTS Credits: 6

2022/2023

Degree

Geography and Spatial Planning

Contact

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Use of languages

Principal working language: Catalan
Some groups entirely in English: No
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

Prerequisites

None

Objectives and Contextualisation

The general objective of this subject is the study of mobility within the framework of the new paradigm of sustainability. More specifically, the following specific objectives are set:

- know the basic concepts of mobility - understand the complex assessment between mobility and territory
- know the limits and impacts associated with the current mobility model
- know the methodologies for studying mobility
- know the necessary instruments and their methodologies for mobility management
- know the legal framework for mobility management

Skills and learning outcomes

Skills

Act and intervene in the territory and its management, and show the applied and experimental nature of the geographical formation.

Analyze and interpret environmental problems.

Analyze and interpret urban problems.

Develop critical thinking and reasoning and know how to communicate effectively in both own languages as in a third language.

That students can convey information, ideas, problems and solutions to such an audience specialized as well as non-specialized.

That students know how to apply their own knowledge to their job or vocation in a way

That students know how to apply their own knowledge to their job or vocation in a way professional and have the skills that are usually demonstrated through elaboration and defense of arguments and problem solving within their area of study.

That students have the ability to gather and interpret relevant data (usually within the its area of study) to issue judgments that include a reflection on outstanding issues of a social nature, scientific or ethical

Learning outcomes

Analyze the main dynamics of today's world from a geographical perspective.

Contrast and compare relevant geographical data.

Define the spatial distribution based on the collective facilities, resources and mobility of the people.

Explain environmental problems to delve into territorial diagnosis and landscape changes.

Express oneself effectively by applying argumentative and textual procedures in formal texts and Scientists

Make oral presentations using appropriate academic vocabulary and style

Identify ideas and express them with linguistic correctness in different languages.

Identify urban problems to make decisions about spatial planning.

Synthesize the knowledge acquired about the origin and the transformations experienced by the various fields of study of the discipline

Content

1. Introduction to mobility

1.1. What is mobility.

1.2. The evolution of mobility: farther, faster, more distance

2. The means of transport

2.1. The means of transport: the instruments to move us

2.2. Access to means of transport

2.3. Transportation for everyone

3. Mobility and the city

3.1. The different forms of mobility according to urban environments

4. The impacts of mobility

4.1. Environmental impacts

4.2. The social impacts

4.3. Costs and their perception

5. The challenges of mobility

5.1. Towards decarbonised mobility

5.2. Accessibility

5.3. Rethinking the city and public space

6. Sources to study mobility

6.1. Quantitative sources in the study of supply

6.2. Quantitative sources in the study of demand

6.3. Qualitative sources in the study of mobility

7. The instruments to manage mobility

7.1 The international arena

7.2 The mobility law of Catalonia

7.3 Mobility in the planning of Catalonia

8. Citizen participation in mobility management
 8.1. Social participation in the diagnosis of mobility
 8.2. Mobility table

Methodology

The teaching methodology will consist of:

- theoretical classes, which in the case of group 70 in the reading of the apumts posted on moodle
- active participation in class discussions. In group 70 these debates will be conveyed through the forum Virtual
- For group 70, attendance at the face-to-face meeting
- Presentation of the work

Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Activities

Title	Hours	ECTS	Learning outcomes
Type: Directed			
Theoretical and practice	26		
Type: Supervised			
Tutorials	15		
Type: Autonomous			
Study	32		
Making practicals	32		
Course project	32		

Assessment

The mark will be obtained from:

Exam: 30%
 Internships: 30%
 Course work: 30%
 Active participation: 10%

To be evaluated you need:

- take the exam
- hand in the work
- deliver at least 75% of the internships

Otherwise, the grade will be stated as NOT EVALUABLE

Recovery will consist of redoing the suspended evidence. Must have passed the parts parts of the note by to be able to approve.

Review of marks

At the time of carrying out each assessment activity, the teacher will inform the student (Moodle) of the procedure and date of revision of the marks.

Assessment activities

Title	Weighting	Hours	ECTS	Learning outcomes
Exam	30	2		
Practicals	30	-		

Course project	30	-
Participation in classroom (forums)	10	5

Bibliography

The necessary bibliography will be uploaded for each block

Software

Office