

Sustainable Mobility and Territory

Code: 104270
ECTS Credits: 6

Degree	Type	Year	Semester
2503710 Geography, Environmental Management and Spatial Planning	OT	4	2

Contact

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Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: No
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

Teachers

Pau Avellaneda Garcia

Prerequisites

None.

Objectives and Contextualisation

The main goal of the course is to familiarize students with sustainable, safe, healthy, equitable and inclusive mobility. The aim is to know the social, economic and environmental implications of the hegemonic mobility model in our cities and towns and to provide the necessary knowledge to help solve the impacts of this model, especially bearing in mind the impending energy crisis, climate emergency and the effects of pollution on health.

In this sense, a "box" of theoretical and methodological tools that can be useful in the professional practice of Geography in relation to the planning, management and resolution of issues related to mobility will be provided. However, and especially, practical exercises will be carried out that allow students to formulate propositive actions aimed at decarbonising mobility, recovering public space and promoting active mobility.

Competences

- Apply the basic regional, environmental and urban legal regulations for regional and environmental planning.
- Apply tools for the management of regions, the environment and urban policies in regional and environmental planning.
- Draw up action and intervention plans in the territory which respond to sociodemographic and environmental problems.
- Students must be capable of applying their knowledge to their work or vocation in a professional way and they should have building arguments and problem resolution skills within their area of study.
- Students must develop the necessary learning skills to undertake further training with a high degree of autonomy.

Learning Outcomes

1. Recognise the limits and impacts associated with the current mobility model.
2. Students must be capable of applying their knowledge to their work or vocation in a professional way and they should have building arguments and problem resolution skills within their area of study.
3. Students must develop the necessary learning skills to undertake further training with a high degree of autonomy.
4. Understand the basic regulations for questions of mobility, housing and development.
5. Understand the complexity of the relations between mobility and region.
6. Understand the instruments and methodologies necessary for managing mobility.

Content

CHAPTER 1. KNOW: Sustainable, safe, healthy, equitable and inclusive mobility (Theoretical and conceptual framework)

- Brief history of mobility
- Right to the city and to mobility
- Vulnerable groups in mobility
- Active mobility
- Climate change and mobility
- Mobility and energy
- Equity in mobility
- Inclusive mobility
- Mobility and health
- Means of transport for collective use
- The street as a multifunctional space
- Urban quality and outdoor spaces
- Mobility and economy
- Rural and / or suburban areas and mobility

CHAPTER 2. OBSERVE AND ANALYZE (Intervention and analysis methodologies)

- What to observe and how to observe: methods and techniques of observation and analysis
- Statistical analysis: variables, sources of information ...
- Qualitative methods
- Observation of public space

CHAPTER 3. DEBATE (Knowledge and positioning in today's controversies)

- The electric vehicle and tech solutions: a real solution?
- Road safety education: at school or at driving school?
- 'If you don't want cars go live in the countryside'
- Right to park (or not)
- ZBE, urban tolls or pay for parking: 'communism or freedom'?
- Motorcycles on the sidewalks? An open debate
- The tram on the Diagonal?
- 'Cycling is the slow death of our economy (and walking is even worse, pedestrians don't even buy a bicycle)'

CHAPTER 4. ACT (Tools and methods of intervention)

- New priorities in road design
- Public space and urban quality: living spaces
- The moderation and pacification of traffic
- Pedestrian areas
- The cycling network
- Mobility planning
- Regulations: legislation
- Transformation projects and experiences
- Actors, participation and roles / Citizen participation and citizen movements
- Communicate and disseminate

Methodology

The contents of the subject will be developed from various teaching methodologies and training activities:

- Read written documents
- Viewing audiovisual materials
- Carrying out internships (include observing the public space and proposing measures to improve it)
- Open debates
- Guided tours with the support of the teacher and an assessment report
- Oral presentations
- Use of ICT
- Tutorials
- Study and personal work

Annotation: 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			
Debts and discussion	15	0.6	5, 6, 1
Knowledge of intervention spaces	15	0.6	5, 3
Practices	16.5	0.66	3, 2
Type: Supervised			
Field work	10	0.4	5, 2
Tutorials	10	0.4	2
Type: Autonomous			
Making exercises	30.5	1.22	3, 1
Preparation of orals presentations	10	0.4	3
Reading and watching audiovisuals materials	20	0.8	5, 6, 1
Study	20	0.8	5, 6, 2

Assessment

Continued avaluation

A system of continuous assessment is established with several evaluable activities that should allow teachers to continuously monitor students and students to know their progress throughout the course.

Review of marks

At the time of carrying out each evaluation activity, the teacher will inform the students (Moodle) of the procedure and date of revision of the grades.

In order to be evaluated, it will be necessary to:

a) To have carried out each and every one of the stipulated evaluation activities (examination, practices, course work and oral presentations)

b) In the case of the practical exercises, to have presented a minimum of 80% of the evaluable activities requested.

In this sense, the student will receive the grade of Not assessed when he has not completed the exam, the work and at least 80% of the practical exercises.

In the event that the tests cannot be carried out in person, their format will be adapted (maintaining their weighting) to the possibilities offered by the UAB virtual tools. Homework, activities and class participation will be done through forums, wikis and / or discussions of exercises through Teams, etc. The professors will ensure that the student can access it or offer alternative means, which are available to them.

Recovery

At the end of the school year (June) there will be a recovery of each of the stipulated assessment activities. Only students who have given the minimum enough to be evaluated can be presented for recovery. To participate in the recovery process the student is required to have obtained a final minimum grade of at least a 3.

Plagiarism

The copying or plagiarism of material, both in the case of work and in the case of exams, constitute a crime that will be punished with a zero to the activity. In case of recidivism, the whole subject will be suspended. Remember that a work that reproduces all or most of the work of another classmate is considered a "copy". "Plagiarism" is the act of presenting all or part of a text by an author as one's own, without citing sources, whether on paper or in digital format. See UAB documentation on "plagiarism" at: http://wuster.uab.es/web_argumenta_obert/unit_20/sot_2_01.html.

In the event that the student commits any irregularity that could lead to a significant variation in the grade of an assessment act, this assessment act will be graded with 0, regardless of the disciplinary process that may be instructed. In the event of several irregularities in the evaluation acts of the same subject, the final grade for this subject will be 0.

Final note

In the event that the tests cannot be carried out in person, their format will be adapted (maintaining their weighting) to the possibilities offered by the UAB virtual tools. Homework, activities and class participation will be done through forums, wikis and / or discussions of exercises through Teams, etc. The teacher will ensure that the student can access it or offer alternative means, which are available to them.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Course work	30	0	0	5, 4, 6, 3, 2, 1
Exam	30	1.5	0.06	5, 6, 2
Oral presentations	10	1.5	0.06	5, 6, 3, 2
Practices (exercices)	30	0	0	5, 6, 3

Bibliography

The bibliography and web links that will be used for the development of the subject will be specified in the Moodle platform as the progress of the course requires it.

Software

Office or similar.