

**Mobility, Transport and Territory**

Code: 42512  
ECTS Credits: 6

| Degree                                  | Type | Year | Semester |
|-----------------------------------------|------|------|----------|
| 4313300 Regional and Population Studies | OT   | 0    | 2        |

**Contact**

Name: Carme Miralles Guasch  
Email: Carme.Miralles@uab.cat

**Use of Languages**

Principal working language: spanish (spa)

**Prerequisites**

Not have it

**Objectives and Contextualisation**

1. To understand what urban mobility is.
2. To interpret the relationship between mobility and transport.
3. To interpret the importance of urban territory as an active element in mobility models.
4. Link mobility to the social structure of population
5. To study transport costs: economic, social and environmental
6. To investigate sources of quantitative information: the daily mobility surveys

**Competences**

- Analyze and interpret the interrelationship between population dynamics and historical and recent territorial transformations
- Apply the different methodologies of geographic and demographic analysis at different territorial levels and population sizes
- Communicate and justify conclusions clearly and unambiguously to both specialised and non-specialised audiences.
- Detect the complexity of territorial and demographic dynamics and recognize the most efficient management mechanisms, particularly in conflict situations
- Promote the implementation and advancement of the principles of ecological, social and economic sustainability.
- Solve problems in new or little-known situations within broader (or multidisciplinary) contexts related to the field of study.
- Use acquired knowledge as a basis for originality in the application of ideas, often in a research context.

**Learning Outcomes**

1. Communicate and justify conclusions clearly and unambiguously to both specialised and non-specialised audiences.

2. Decide models suitable mobility management.
3. Discuss recent developments and conceptual paradigm shift in planning and managing everyday use.
4. Identify the impact of mobility on different levels: environment, society and city
5. Promote the implementation and advancement of the principles of ecological, social and economic sustainability.
6. Recognize the interaction between demographic dynamics and structure of settlement with the demands of mobility
7. Solve problems in new or little-known situations within broader (or multidisciplinary) contexts related to the field of study.
8. Use acquired knowledge as a basis for originality in the application of ideas, often in a research context.
9. Use specific quantitative and qualitative techniques for analysis and mobility management
10. Using specific information sources mobility.

## Content

### METIT PROGRAMME

Subject: Mobility and Transportation

Teacher: Carme Miralles-Guasch

Bibliographic materials, from which the subject will be developed, are divided in two types: on the one hand, academic articles related to the topics treated will be used, and on the other hand, the book of Jane Jacobs *Death and Life of the big cities*, edited in 1961 and reissued, in the Spanish translation, 2011 by the publisher Captain Swing.

Jane Jacobs, an author misunderstood by her contemporaries, who has been forgotten for years but today vindicated and placed at the centre of the ideas promoted by the new urbanism. And with it, the new paradigms of mobility, transport and the city. Under this new epistemological framework, revising the classics, the mobility of people living in urban areas will be analysed. The daily movements of population are explained by the organization of cities themselves, so that is the territory that shapes the daily mobility. And it is only from this territorial perspective that the environmental, social and economic challenges that mobility faces can be addressed.

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### PROGRAMME

#### SESSION 1

- Conference: To be determined

- Introduction of the course

Topic: Introduction to concepts and paradigm changes

Topic: MOBILITY AND TERRITORY. SUSTAINABLE MOBILITY, A NEW GEOGRAPHICAL PERSPECTIVE

Readings:

a.- (JJ) *Part one: : The peculiar nature of cities.*

02 *The uses of sidewalks: safety (p.55)*

03 *The uses of sidewalks: contact (p. 82)*

04: *The uses of sidewalks: assimilating children (p.103)*

b.- Miralles-Guasch, C. & Cebollada, À. (2009) movilidad cotidiana y sostenibilidad, una interpretación desde la geografía humana. Boletín del AGE, nº 50.

- Miralles-Guasch, C. y Domene, E. (2010) Sustainable transport through modal change: the case of the Autonomous University of Barcelona. Transport Policy Volumen: vol. 17 (2010) P.: 454-463 University of California at Berkeley

## SESSION 2

Topic: COSTS OF MOBILITY: ECONOMIC, ENVIRONMENTAL AND SOCIAL

Readings:

a.- (JJ) Part Two: Conditions for urban diversity

07: Generators of diversity (p.175)

08: Need for the combination of primary uses (p.185)

09: Need for small blocks (p.211)

b.- Miralles-Guasch, C. y Cebollada, A. (2003) Movilidad y transporte. Opciones Políticas para la ciudad. Fundación Alternativas. Pp.18-29

- Miralles-Guasch, C & Martínez Melo, M; Marquet Sarda, O. (2012) El uso del transporte privado, percepciones individuales y contradicciones colectivas en un marco de sostenibilidad ambiental y social. ACE Arquitectura, ciudad y entorno Volumen: 19

## SESSION 3

Tema: URBAN SHAPES, MOBILITY, PROXIMITY AND DISTANCE

Readings:

a.-(JJ) *Part two: Conditions for urban diversity*

10: *The need for old buildings (p.221)*

11: *The need for concentration (p.235)*

12: *Some myths about diversity (p.257)*

**b.- Marquet, O. & Miralles-Guasch, C (2015) *The Walkable city and the importance of the proximity environments for Barcelona's everyday mobility.*Cities, [Volume42, Part B](#), February 2015, Pages 258-266**

- Marquet, O. & Miralles-Guasch, C., 2014. Walking short distances. The socioeconomic drivers for the use of proximity in everyday mobility in Barcelona. Transportation Research Part A: Policy and Practice, 70, pp.210-222.

## SESSION 4

Topic: SOURCES OF INFORMATION ON MOBILITY. AN EXAMINATION OF THE MOBILITY IN CATALONIA.

Readings:

- Miralles-Guasch, C; (2012) Las encuestas de movilidad y los referentes ambientales de los transportes. EURE. Santiago de Chile Volumen 38, nº 115 Páginas 33-45 ISSN: 0717-6236 digital; 0250-7161 *papel*

- Presentation of the doctoral theses currently running in the research group

## SESSION 5

Topic: THE SOCIAL STRUCTURE OF MOBILITY

a.- (JJ) *Part three: Forces of decline and regeneration*

13: *The self destruction of diversity (p.277)*

14: *The curse of border vacuums (p.293)*

b.-Cebollada, À. (2009) Mobility and Labour market exclusion in the Barcelona Metropolitan Region. *Jornal of transport Geography*. Vol. 17. P. 226-233

- Marquet, O., & Miralles-Guasch, C. (2016). Introducing urban vitality as adeterminant of children's healthy mobility habits: a focus on activity engagement and physical activity.

## SESSION 6

Topic: MOBILITY AND TIME

Readings:

(JJ) *Part three: Forces of decline and regeneration*

15: *Unslumming and slumming (p.307)*

16: *Gradual Money and cataclysmic money (p.329)*

*Part four: Different tactics*

17: *Subsidizing dwellings (p.359)*

- Miralles-Guasch, C. (2011) Dinámicas metropolitanas y tiempos de la movilidad. La región metropolitana de Barcelona, como ejemplo. *Anales de Geografía*. vol. 31, núm. 1 125-145

## SESSION 7

Topic: THE ROLE OF INFRAESTRUCTURE IN THE TERRITORY

Readings:

a.-(JJ) *Part four: Different tactics*

18: *Erosion of cities or attrition of automobiles (p.377)*

19: *Visual order: its limitations and possibilities (p.411)*

(JJ) *Part four: Different tactics*

20: *Salvaging projects (p.431)*

21: *Governing and Planning districts (p.443)*

22: *The kind of problema a city is (p.467)*

b.-Bellet, C. Alonso, P. Casellas, A. (2010), "Infraestructuras de transporte y territorio. Los efectos estructurantes de la llegada del tren de alta velocidad en España", en *Boletín de la Asociación de Geógrafos Españoles*, núm. 52, pp.143-163

Epilogue of the course and final exam.

## Methodology

The subject will be structured based on directed and autonomous activities, where students will learn interactively with the contents of the program, with the help and support of the teacher.

The subject includes lectures by the teacher, exhibitions and discussions by the students, with the collaboration of external experts from different fields.

All the activities in class will have a bibliographic support that the students will be provided at the beginning of the course (check the programme).

## Activities

| Title                               | Hours | ECTS | Learning Outcomes       |
|-------------------------------------|-------|------|-------------------------|
| Type: Directed                      |       |      |                         |
| Theoretical classes                 | 10    | 0.4  | 3, 4, 7, 6, 8, 10       |
| Type: Supervised                    |       |      |                         |
| Class expositions                   | 10    | 0.4  | 9, 7, 8, 10             |
| Preparation work                    | 36    | 1.44 | 3, 2, 9, 4, 5, 7, 6, 10 |
| Type: Autonomous                    |       |      |                         |
| Read papers or books of the subject | 26    | 1.04 | 7, 8, 10                |

## Assessment

The assessment will be made on the following basis:

Classroom exhibitions by pupils: 30%

Exam: 40%

Interventions in class (attendance is mandatory): 10%

Assistance and participation in directed activities: 20%

VERY IMPORTANT: Total or partial plagiarism of any of the exercises will automatically be considered "fail" (0) for the plagiarized item. Plagiarism is copying one or more sentences from unidentified sources, presenting it as original work (THIS INCLUDES COPYING PHRASES OR FRAGMENTS FROM THE INTERNET AND ADDING THEM WITHOUT MODIFICATION TO A TEXT WHICH IS PRESENTED AS ORIGINAL). Plagiarism is a serious offense. Students must learn to respect the intellectual property of others, identifying any source they may use, and take responsibility for the originality and authenticity of the texts they produce.

## Assessment Activities

| Title                                               | Weighting | Hours | ECTS | Learning Outcomes |
|-----------------------------------------------------|-----------|-------|------|-------------------|
| Assistance and participation in directed activities | 20        | 15    | 0.6  | 7, 1, 10          |

|                        |    |    |      |                            |
|------------------------|----|----|------|----------------------------|
| class exposition       | 30 | 15 | 0.6  | 7, 1                       |
| participation in class | 10 | 8  | 0.32 | 7, 1, 8                    |
| test                   | 40 | 30 | 1.2  | 3, 2, 9, 4, 5, 7, 6, 8, 10 |

## Bibliography

-Delclòs-Alió, X. Miralles-Guasch, C [Looking at Barcelona through Jane Jacobs's eyes: Mapping the basic conditions for urban vitality in a Mediterranean conurbation](#)

Land Use Policy, 2018

- Delclòs-Alió, X.; Gutiérrez, A.; Miralles-Guasch, C (2019) [The urban vitality conditions of Jane Jacobs in Barcelona: Residential and smartphone-based tracking measurements of the built environment in a Mediterranean metropolis](#)

Cities,

-Giddens, A. (2009) The politics of Climate Change. Polity Press Ltd., Cambridge (trad. La política del cambio climático(2010) Alianza Editorial. Madrid.

-Hamilton C. (2003). "Climate Change". En Hensher, D. A. & Button, K. J., Handbook of Transport & the Environment,

- Handbooks in Transport: Volume 4, 37-60. Amsterdam: Elsevier

- Hass-Klaus, C. (1990). Políticas de Transporte. En J. Borja et al. Las grandes ciudades de la década de los noventa Ed. Síntesis, Madrid.

IPCC (Intergovernmental panel of climate change) (2008): Cambridge University Press

-Climate Change 2007Cambridge, United Kingdom and New York, NY, USA.

-Kaufmann, V. (2000): Lausanne.Presses Mobilité quotidienne et dynamiques urbaines. La question du rapport modal polytechniques et universitaires romandes.

-Miralles-Guasch, C. (1998) La movilidad de las mujeres en la ciudad, un análisis desde la ecología urbana. Ecología 15 p 123-131.Política

-Miralles-Guasch, C. (2002) Ciudad y Transporte. El binómico imperfecto. Ariel editorial. Barcelona.

-Miralles-Guasch, C. y Cebollada, A, (2003): Movilidad y transporte. Opciones políticas para la Ciudad Fundación Alternativas. Madrid.

-Miralles-Guasch, C. y Cebollada, A. (2009) Movilidad cotidiana y sostenibilidad. Una interpretación desde la Geografía Humana. Boletín de Asociación de Geógrafos -Españoles. AGE. Nº 50. Pp 193-216

-Muñiz, I. Calatayud, D. García, M.A. (2007) Sprawl. Causas y efectos de la dispersión urbana. En Indovina(coord.), , pp. 307-347. La ciudad de baja densidad. Lógicas, gestión y contención

-Pérez Martínez, Monzón de Cáceres, (2008) Consumo de energía por el transporte en España y tendencias de emisión. Observatorio Medioambiental Nº11. Pp. 127-147

-Robuste, F. i Casas Esplugas, C. (2005) Transport in LLEBOT, J.E. Informe del Canvi climàtic a Catalunya. Generalitat de Catalunya. Consell Assessor per al desenvolupament sostenible. Barcelona.

-Vich, G. Marquet, O & Miralles-Guasch, C. (2019) [Is there any time left for walking?" Physical activity implications of suburban commuting in the Barcelona metropolitan region.](#) Geografisk Tidsskrift-Danish Journal of Geography,

-Vivier, J. (2001) The millennium cities Database for sustainable Transport, Union International des transports Publics (UITP), Brussels.