

Mobility, Transport and Territory

Code: 42512
ECTS Credits: 6

Degree	Type	Year	Semester
4313300 Regional and Population Studies	OT	0	1
4317118 Global East Asian Studies	OT	0	1

The proposed teaching and assessment methodology that appear in the guide may be subject to changes as a result of the restrictions to face-to-face class attendance imposed by the health authorities.

Contact

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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

Regional and Population Studies

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

Global East Asian Studies

- Knowledge and understanding that provide a basis or opportunity for originality in developing and / or applying ideas, often in a research context.
- Students can communicate their conclusions and the knowledge and rationale underpinning these to specialist and non-specialist audiences clearly and unambiguously.
- That the students can apply their knowledge and their ability to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study.

Learning Outcomes

1. Communicate and justify conclusions clearly and unambiguously to both specialised and non-specialised audiences.
2. Knowledge and understanding that provide a basis or opportunity for originality in developing and / or applying ideas, often in a research context.
3. Solve problems in new or little-known situations within broader (or multidisciplinary) contexts related to the field of study.
4. Students can communicate their conclusions and the knowledge and rationale underpinning these to specialist and non-specialist audiences clearly and unambiguously.
5. That the students can apply their knowledge and their ability to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study.
6. Use acquired knowledge as a basis for originality in the application of ideas, often in a research context.

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.

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, Carme & Cebollada, Àngel (2009) movilidad cotidiana y sostenibilidad, una interpretación desde la geografía humana. Boletín del AGE, nº 50.

- Miralles-Guasch, Carme y Domene, Elena (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, Carme y Cebollada, Àngel (2003) Movilidad y transporte. Opciones Políticas para la ciudad. Fundación Alternativas. Pp.18-29

- Miralles-Guasch, Carme & Martínez Melo, Montserrat; Marquet Sarda, Oriol (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 oldbuildings (p.221)*

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

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

b.- Marquet, Oriol & Miralles-Guasch, Carme (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, Oriol & Miralles-Guasch, Carme, 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, Carme; (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, Àngel (2009) Mobility and Labour market exclusion in the Barcelona Metropolitan Region. *Jornal of transport Geography*. Vol. 17. P. 226-233

- Marquet, Oriol, & Miralles-Guasch, Carme (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, Carme (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 INFRASTRUCTURE 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, Carme; Alonso, Pilar; Casellas, Antònia (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).

The activities that could not be done onsite will be adapted to an online format made available through the UAB's virtual tools. Exercises, projects and lectures will be carried out using virtual tools such as tutorials, videos, Teams sessions, etc. Lecturers will ensure that students are able to access these virtual tools, or will offer them feasible alternatives.

Activities

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

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.

In the event that assessment activities cannot be taken onsite, they will be adapted to an online format made available through the UAB's virtual tools (original weighting will be maintained). Homework, activities and class participation will be carried out through forums, wikis and/or discussion on Teams, etc. Lecturers will ensure that students are able to access these virtual tools, or will offer them feasible alternatives.

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Assistance and participation in directed activities	20	15	0.6	3, 1, 4, 2
class exposition	30	15	0.6	3, 5, 1
participation in class	10	8	0.32	3, 1, 6
test	40	30	1.2	3, 1, 6

Bibliography

- Delclòs-Alió, Xavier i Miralles-Guasch, Carme [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, Xavier; Gutiérrez, Aaron; Miralles-Guasch, Carme (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, 86 pp. 220-228.

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

- Lenzen, Manfred; Hamilton, Clive (2003). "Climate Change", [Hensher, David A.](#) and [Button, Kenneth J.](#) (Ed.) *Handbook of Transport and the Environment* (, Vol. 4), Emerald Group Publishing Limited, pp. 37-60.

- Hass-Klaus, C. (1990). Políticas de Transporte. En Jordi 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 2007 Cambridge, United Kingdom and New York, NY, USA.

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

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

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

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

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

- Muñiz, Ivan; Calatayud, Daniel; García, Miguel A. (2007) Sprawl. Causas y efectos de la dispersión urbana, pp. 307-347. En Francesco Indovina (coord.). La ciudad de baja densidad. Lógicas, gestión y contención. Barcelona. Diputació de Barcelona

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

- Robuste, Francesc i Casas Esplugas, Carles (2005) Transport in Josep E. Llebot. Informe del Canvi climàtic a Catalunya. Generalitat de Catalunya. Consell Assessor per al desenvolupament sostenible. Barcelona.
<http://canvi-climatic.espais.iec.cat/files/2013/07/B3.pdf>
- Vich, Guillem; Marquet, Oriol & Miralles-Guasch, Carme (2019) [Is there any time left for walking?" Physical activity implications of suburban commuting in the Barcelona metropolitan region.](#) Geografisk Tidsskrift-DanishJournal of Geography,
- Vivier, J. (2001) The millennium cities Database for sustainable Transport, Union International des transports Publics (UITP), Brussels.