



Teaching Guide

Teaching Guide				
Identifying Data				2021/22
Subject (*)	Movilidade Sostible e Sistemas de Transporte Metropolitano de Capacidade Intermedia		Code	632508017
Study programme	Mestrado Universitario en Investigación en Enxeñaría Civil (2013)			
Descriptors				
Cycle	Period	Year	Type	Credits
Official Master's Degree	Yearly	First	Optional	6
Language	Spanish			
Teaching method	Face-to-face			
Prerequisites				
Department	Matemáticas			
Coordinador		E-mail		
Lecturers		E-mail		
Web				
General description				
Contingency plan	1. Modifications to the contents 2. Methodologies *Teaching methodologies that are maintained *Teaching methodologies that are modified 3. Mechanisms for personalized attention to students 4. Modifications in the evaluation *Evaluation observations: 5. Modifications to the bibliography or webgraphy			

Study programme competences

Code	Study programme competences
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Learning outcomes

Learning outcomes	Study programme competences
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Contents

Topic	Sub-topic

Planning

Methodologies / tests	Competencies	Ordinary class hours	Student's personal work hours	Total hours
Introductory activities		1	0	1
Guest lecture / keynote speech		40	40	80



Case study		20	40	60
Document analysis		1	8	9
Personalized attention		0		0
(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.				

Methodologies	
Methodologies	Description
Introductory activities	
Guest lecture / keynote speech	
Case study	
Document analysis	

Personalized attention	
Methodologies	Description

Assessment			
Methodologies	Competencies	Description	Qualification
Guest lecture / keynote speech			0
Case study			0
Document analysis			0

Assessment comments

Sources of information	
Basic	- Comisión de las Comunidades Europeas (2007). Libro verde. Hacia una nueva cultura de la movilidad urbana. - UITP (2001). Desplazarse mejor en la ciudad. - IHOBE (2004). Guía práctica para la elaboración de Planes de Movilidad Urbana Sostenible. - IDAE (2006). Guía práctica para la elaboración e implantación de Planes de Movilidad Urbana Sostenible (PMUS). - Sanz Alduán, Alfonso (2008). Calmar el tráfico: una herramienta de la movilidad sostenible. Ministerio de Fomento - R. Bugarín, M., Novales, M., Orro, A (2003). Evolución de los sistemas tranviarios. Tórculo - Vuchic, V.R. (2007). Urban Transit. Systems and technology. John Wiley & Sons, Inc - Grava, S. (2003). Urban Transportation Systems. Choices for communities. McGraw-Hill - APTA (2013). Modern Streetcar Vehicle Guidelines. - VDV (2007). Local and regional railway tracks in Germany. - Transportation Research Board (2012). Track Design Handbook for Light Rail Transit. - UITP (2004). Guidelines for selecting and planning a new light rail system. Level 1, 2 & 3. - CERTU (2005). Bus à Haut Niveau de Service. Concept et recommandations.
Complementary	

Recommendations
Subjects that it is recommended to have taken before



Subjects that are recommended to be taken simultaneously
Subjects that continue the syllabus
Other comments

(*)The teaching guide is the document in which the URV publishes the information about all its courses. It is a public document and cannot be modified. Only in exceptional cases can it be revised by the competent agent or duly revised so that it is in line with current legislation.