



Teaching Guide

Identifying Data					2016/17
Subject (*)	Camiños e Ferrocarrís		Code	632G01027	
Study programme	Grao en Enxeñaría de Obras Públicas				
Descriptors					
Cycle	Period	Year	Type	Credits	
Graduate	1st four-month period	Fourth	Obligatoria	6	
Language	Spanish				
Teaching method	Face-to-face				
Prerequisites					
Department	Métodos Matemáticos e de Representación				
Coordinador	Rodríguez Pasandín, Ana María	E-mail	ana.rodriguez.pasandin@udc.es		
Lecturers	Rodríguez Bugarín, Miguel Domingo	E-mail	m.bugarin@udc.es		
	Rodríguez Pasandín, Ana María		ana.rodriguez.pasandin@udc.es		
Web					
General description	La guía docente de esta asignatura se encuentra desarrollada en la solapa "castellano".				

Study programme competences

Code	Study programme competences

Learning outcomes

Learning outcomes	Study programme competences		

Contents

Topic	Sub-topic

Planning

Methodologies / tests	Competencies	Ordinary class hours	Student?s personal work hours	Total hours
Guest lecture / keynote speech		26	26	52
Problem solving		16	24	40
Supervised projects		4	16	20
Objective test		5	30	35
Introductory activities		1	0	1
Personalized attention		2	0	2

(*)The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.



Methodologies	
Methodologies	Description
Guest lecture / keynote speech	
Problem solving	
Supervised projects	
Objective test	
Introductory activities	

Personalized attention	
Methodologies	Description
Objective test	
Problem solving	
Guest lecture / keynote speech	
Introductory activities	
Supervised projects	

Assessment			
Methodologies	Competencies	Description	Qualification
Objective test			95
Supervised projects			5

Assessment comments

Sources of information	
Basic	<ul style="list-style-type: none"> - Ministerio de Fomento (). PLIEGO DE PRESCRIPCIONES TÉCNICAS GENERALES PARA OBRAS DE CARRETERAS Y PUENTES, PG-3. PARTE 5ª: FIRMES.. - Kraemer et al. (2004). Ingeniería de Carreteras. Volumen II. McGraw Hill - Ministerio de Fomento (2003). ORDEN FOM/3460/2003, DE 28 DE NOVIEMBRE, POR LA QUE SE APRUEBA LA NORMA 6.1-IC «SECCIONES DE FIRME», DE LA INSTRUCCIÓN DE CARRETERAS. PUBLICADA EN EL BOE Nº297 DEL 12 DE DICIEMBRE DE 2003.. - Ministerio de Fomento (2003). ORDEN FOM/3459/2003, de 28 de noviembre, por la que se aprueba la Norma 6.3-IC «REHABILITACIÓN DE FIRMES», de la Instrucción de Carreteras.. - (). Transparencias de la asignatura. - García Díaz-de-Villegas (2002). Ferrocarriles. Publicaciones de la ETS de Ingenieros de Caminos de Santander - López Pita, A. (2006). Infraestructuras ferroviarias. Barcelona: Edicions UPC - López Pita, A (2008). Explotación de líneas de ferrocarril . Barcelona: Edicions UPC - Alias, J y Valdés, A. (1990). La vía del ferrocarril. Bellisco - Oliveros Rives, F.; Rodríguez Méndez, M.; Megia Puente, M (1980). Tratado de ferrocarriles II. Rueda - Esveld, C. (2001). Modern Railway Track. MRT Productions - Lichterberger, B. (2003). Handuch gleis Unterbau, Oberbau, Instandhaltung, Wirtschaftlichkeit. . Tetzlaff Verlag - Profillidis, V.A. (2006). Railway Management and Engineering. Ashgate - ADIF (). Normas ADIF Vía y Normas Renfe Vía. . - UIC (). Fichas UIC - Normativa ferroviaria.
Complementary	



Recommendations

Subjects that it is recommended to have taken before

Infraestruturas do transporte/632G01018

Enxeñaría do Terro I/632G01020

Enxeñaría do Terreo II/632G01043

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.