



Teaching Guide

Identifying Data					2016/17
Subject (*)	Hidroloxía Subterránea	Code	632011634		
Study programme	Enxeñeiro de Camiños, Canais e Portos				
Descriptors					
Cycle	Period	Year	Type	Credits	
First and Second Cycle	1st four-month period	Third-Fourth-Fifth	Optativa	4	
Language	Spanish				
Teaching method	Face-to-face				
Prerequisites					
Department	Métodos Matemáticos e de RepresentaciónTecnoloxía da Construción				
Coordinador	Samper Calvete, Francisco Javier	E-mail	j.samper@udc.es		
Lecturers	Samper Calvete, Francisco Javier	E-mail	j.samper@udc.es		
Web					
General description					

Study programme competences / results

Code	Study programme competences / results

Learning outcomes

Learning outcomes	Study programme competences / results		
Introducir os conceptos fundamentais sobre o sistema eléctrico de potencia: xeneración de enerxía, red de transporte, reparto e distribución, así como sobre os tipos de líneas e conductores.			
Coñecer os distintos tipos de xeneración de enerxía eléctrica en España: a enerxía térmica convencional, a nuclear, a hidráulica e os distintos tipos de renovables.			
Comparar os distintos tipos de enerxía dende o punto de vista do custo da construción, da operación e mantemento, do combustible necesario, dos residuos xenerados e das actividades de desmantelamento			
Coñecer a normativa sobre baixa e alta tensión.			
Realizar cálculos eléctricos e enerxéticos sinxelos.			

Contents

Topic	Sub-topic

Planning

Methodologies / tests	Competencies / Results	Teaching hours (in-person & virtual)	Student?s personal work hours	Total hours
Problem solving		1	20	21
Field trip		1	5	6
Collaborative learning		59	1	60



Supervised projects		2	10	12
Personalized attention		1	0	1

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

Methodologies	
Methodologies	Description
Problem solving	
Field trip	
Collaborative learning	
Supervised projects	

Personalized attention	
Methodologies	Description
Supervised projects	
Problem solving	
Field trip	
Collaborative learning	

Assessment			
Methodologies	Competencies / Results	Description	Qualification
Supervised projects			40
Problem solving			30
Field trip			10
Collaborative learning			20
Others			

Assessment comments

Sources of information	
Basic	- Fetter (1980). Applied Hydrogeology. Ch. E. Merrills Pub. - de Marsily, Ghislain. (1987). Quantitative Hydrogeology. Academic Press. San Diego
Complementary	

Recommendations
Subjects that it is recommended to have taken before
Hidráulica e Hidroloxía I/632011204 Hidráulica e Hidroloxía II/632011308
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.