

## **UNIVERSIDAD DE CASTILLA - LA MANCHA**

# **GUÍA DOCENTE**

### 1. General information

Course Type	IVIL E	L ENGINEERING				Code: 310820 redits: 6					
2343 - MASTERS DEGREE PROGRAMME IN ENGINEERING OF ROADS, CANALS AND PORTS Academic year: 2020-21											
Center	603 - E.T.S. CIVIL ENGINEERS OF C	R	Group(s):20								
Year	:1		Duration: AN								
Main language	: English		Second language: English								
Use of additiona	I		English Friendly: N								
languages											
Web site	-	ngual: N									
Lecturer: JOSE MARIA MENENDEZ MARTINEZ - Group(s): 20											
Building/Office	Department	Phone numb	Ema	I	1		Office hours				
Politécnico	INGENIERÍA CIVIL Y DE LA EDIFICACIÓN	3272	2 josemaria.menendez@uclm.es								
Lecturer: ANA MAR	IA RIVAS ALVAREZ - Group(s): 20										
Building/Office			Phone numb		er Email		office hours				
Politécnico 2-A49 INGENIERÍA CIVIL Y DE LA EDIFICACIÓN		92	926051938		ana.rivas@uclm.es						
Lecturer: GONZALC	FRANCISCO RUIZ LOPEZ - Group(s	): <b>20</b>									
Building/Office Department			Phone number		Email		Office hours				
Politécnico/2-A61 MECÁNICA ADA. E ING. PROYECTO			S 3257 gonzalo.ruiz@uclm.es								
Lecturer: DAVID SA	NCHEZ RAMOS - Group(s): 20										
Building/Office Department Ph		Phon	hone number		Email		Office hours				
Politácnico 2-051	CIENCIA Y TECNOLOGÍA AGROFORESTAL Y GENÉTICA	9260	)52111	david.sanchezramos@uclm.es							
Lecturer: ANA MAR	IA SANZ REDONDO - Group(s): 20										
Building/Office Department		-	Phone number Er		nail (		ce hours				
Politécnico A52 INGENIERÍA GEOLÓGICA Y MINERA		RA 3	273	273 ana.sanz@uclm.es							
Lecturer: ANGEL YUSTRES REAL - Group(s): 20											
Building/Office	Department	Ph	Phone number		Email		Office hours				
Edif. Politécnica 2D-	nica 2D-58 INGENIERÍA CIVIL Y DE LA EDIFICACIÓN 92605		26051983	angel.yustres@uclm.es							

# 2. Pre-Requisites

Not established

## 3. Justification in the curriculum, relation to other subjects and to the profession

Not established

4. Degree compet	tences achieved in this course
Course competend	ces
Code	Description
CB06	Possess and understand knowledge that provides a basis or opportunity to be original in the development and / or application of ideas, often in a research context.
CB07	Apply the achieved knowledge and ability to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to the area of study
CB09	Know how to communicate the conclusions and their supported knowledge and ultimate reasons to specialized and non-specialized aud non-specialized aud non-specialized aud non-specialized
CB10	Have the learning skills which allow to continue studying in a self-directed or autonomous way
G05	Knowledge of the Civil Engineering profession and the activities that can be carried out in the field of civil engineering.
G07	Knowledge to apply technical and managerial skills in R&D&I activities in the field of civil engineering.
G18	Ability to participate in research projects and scientific and technological collaborations within its thematic area, in interdisciplinary contexts and, where appropriate, with a high knowledge transfer component.
G19	Knowledge of the latest developments and applications of technology to civil engineering in all its fields, as well as its new challenges.
G27	Ability to communicate in a second language.
G28	Ability to work in an international context.

Students use databases and bibliographic sources to frame the state of the art of engineering problems in all its fields. Students apply the scientific method to problem solving.

Students master oral and written communication tools (reports, presentations) for the transmission of research results.

Students know the latest scientific and technological advances and their application to the different fields of civil engineering.

Students know the latest lines of innovation in civil engineering in its various fields.

### 6. Units / Contents

#### Unit 1: Oral Communication

Unit 1.1 How to use the best the features of the voice.

Unit 1.2 How to express clearly every idea.

Unit 1.3 How to structure your speech

Unit 1.4 How to make up a correct good performance c

Unit 2: Scientific Method

### **Unit 3: Writing Scientific Papers**

Unit 3.1 Scientific Databases

Unit 3.2 Citations and References

Unit 4: Science and Technology System

Unit 5: Innovation and Research in Civil Engineering

7. Activities, Units/Modules and M	Methodology						
Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Class Attendance (theory) [ON- SITE]	Lectures	CB06 G05 G18 G19 G28	0.8	20	Y	N	
Class Attendance (theory) [ON- SITE]	Workshops and Seminars	CB06 CB07 CB09 G07 G18 G19	0.8	20	Y	N	
Project or Topic Presentations [ON- SITE]	Individual presentation of projects and reports	CB06 CB09 G18	0.2	5	Y	Y	
Writing of reports or projects [OFF- SITE]	Self-study	CB06 CB07 CB09 G19 G27	3.8	95	Y	Y	
Analysis of articles and reviews [OFF-SITE]	Reading and Analysis of Reviews and Articles	CB06 CB07 CB09 G05 G07 G18 G19 G27 G28	0.4	10	Y	N	
Total:							•
Total credits of in-class work: 1.8 Total class time hours: 45							
Total credits of out of class work: 4.2 Total hours of out of class work: 105							
As: Assossable training activity							

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System							
Evaluation System	Continuous assessment	Non- continuous evaluation*	Description				
Oral presentations assessment	75.00%	100.00%	Defence of works carried out				
Assessment of active participation	25.00%	0.00%					
Total:	100.00%	100.00%					

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject, an ordinary and an extraordinary one (evaluating 100% of the competences).

9. Assignments, course calendar and important dates					
Not related to the syllabus/contents					
Hours	hours				
Project or Topic Presentations [PRESENCIAL] [Individual presentation of projects and reports]	3				
Writing of reports or projects [AUTÓNOMA][Self-study]	75				
Analysis of articles and reviews [AUTÓNOMA][Reading and Analysis of Reviews and Articles]	8				
Unit 1 (de 5): Oral Communication					
Activities	Hours				
Class Attendance (theory) [PRESENCIAL][Lectures]	8				
Project or Topic Presentations [PRESENCIAL][Individual presentation of projects and reports]	2				
Writing of reports or projects [AUTÓNOMA][Self-study]	10				
Unit 2 (de 5): Scientific Method					
Activities	Hours				
Class Attendance (theory) [PRESENCIAL][Lectures]	4				
Writing of reports or projects [AUTÓNOMA][Self-study]	10				
Unit 3 (de 5): Writing Scientific Papers					
Activities	Hours				
Class Attendance (theory) [PRESENCIAL][Lectures]	6				

Analysis of articles and reviews [AUTÓNOMA][Reading and Analysis of Reviews and Articles]

Analysis of articles and reviews [AUTONOMA][Reading and Analysis of Reviews and Articles]	2
Unit 4 (de 5): Science and Technology System	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Lectures]	2
Unit 5 (de 5): Innovation and Research in Civil Engineering	
Activities	Hours
Class Attendance (theory) [PRESENCIAL][Workshops and Seminars]	20
Global activity	
Activities	hours
Class Attendance (theory) [PRESENCIAL][Lectures]	20
Class Attendance (theory) [PRESENCIAL][Workshops and Seminars]	20
Project or Topic Presentations [PRESENCIAL][Individual presentation of projects and reports]	5
Writing of reports or projects [AUTÓNOMA][Self-study]	95
Analysis of articles and reviews [AUTÓNOMA][Reading and Analysis of Reviews and Articles]	10
	Total horas: 150

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	Citv	ISBN	Year	Description
FECYT	Indicadores del Sistema Español de Ciencia y Tecnología				2016	
M. O'Connor, F.P. Woodford	Writing Scientific Papers in English.	Pitman M. Publishing Co.			1979	
A. Wallwork	English for Writing Research Papers.	Springer		978-1-4419-7922-3	2011	