



Universidad
Politécnica
de Cartagena

Campus
de Excelencia
Internacional

THEORETICAL FRAMEWORK OF LITERATURE REVIEW

Transversal Activities of Doctorate

Universidad Politécnica de Cartagena

Academic year: 2024-2025

1. Información general de la actividad /General course information					
Nombre/ Name		Marco teórico para la revisión de la bibliografía Theoretical framework of literature review			
Nivel /Level		Doctorado / Doctorate			
Modalidad de impartición / Teaching mode		On-line. https://aulavirtual.upct.es/			
Lengua impartición/ Language		English			
ECTS	1	hours / ECTS	30	Total hours	30

2. Datos del profesorado / Lecture data			
Profesor /Lecturer in charge	Dr. Juan Francisco Sánchez Pérez		
Departamento o Servicio/ Department/Service	Física Aplicada y Tecnología Naval Applied Physic and Naval Technology		
Area de conocimiento /Knowledge area	Applied Physics		
Despacho /Office location	Universidad Politécnica de Cartagena. ETSIA		
Teléfono /Telephone	+34 968 32 54 79	email	juanf.sanchez@upct.es
URL / WEB	https://personas.upct.es/perfil/juanf.sanchez		
Horario de Atención /Office hours	Viernes de 9:00 a 11:00 por e-mail o aula virtual Friday at 9:00 – 11:00 CET by email or Aula Virtual		

2. Datos del profesorado / Lecture data			
Profesor /Lecturer in charge	Dr. Gonzalo García Ros		
Departamento o Servicio/ Department/Service	Ingeniería Minera y Civil Mining and Civil Engineering		
Area de conocimiento /Knowledge area	Ingeniería del Terreno Ground Engineering		
Despacho /Office location	Universidad Politécnica de Cartagena. Edificio de la ETSINO y la EICIM. Despacho 0.28		
Teléfono /Telephone	968325743	email	gonzalo.garcia@upct.es
URL / WEB	https://personas.upct.es/perfil/gonzalo.garcia		
Horario de Atención /Office hours	Miércoles de 9:00 a 11:00 por e-mail o aula virtual Wednesday at 9:00 – 11:00 CET by email or Aula Virtual		

3. Fechas por edición / Dates	
1ª edición / 1st edition-	From 18-sep-2024 until 31-dec-2024
Fecha/Date	The course is open from 18-sep-2024 until 13-july-2025
Horario/Hours	The course is online

4. Objetivos del curso/Course objectives
The main objective of this course is to provide PhD students with the knowledge, skills and understanding necessary to evaluate research critically and to carry out rigorous research in their study field; and to enable students to read critically research papers which have used a wide range of research methodologies and methods.
5. Contenidos teóricos / Theory programme
Unit 1. Purpose of literature or theoretical framework review: citation/references. Use of citations. The selection of sources. (1h) Unit 2. Types of sources: scientific journal article. Peer review papers (2h) Unit 3. Types of sources: conference paper, book chapter, textbook and technical report. (1h) Unit 4. Types of sources: electronic sources. (1h)
6. Contenidos prácticos / Practical programme
Research literature from electronic sources (5h) Use of web of science and journal webs for finding research papers. The PhD students will look for several papers according with their characteristics. Discussion of a published technical article, evaluating the presented research critically. The PhD student will develop his/her capacity for critical analysis.
7. Sistema de evaluación/ Sistem of evaluation
The course will be evaluated through a work that the student must present in the virtual classroom with the knowledge acquired.

8. Distribución horaria de los contenidos, incluyendo las tareas de los alumnos / Hours distribution			
Activity	Location	Student work	Hours
Theory programme	Virtual (on-line)	Attend class	5
		Homework: study of the theory contents	10
Practice	Virtual (on-line)	Attend class	5
		Homework:	4
Tutoring	Virtual (on-line)	Virtual by email	6
			30