

THEORETICAL FRAMEWORK OF LITERATURE REVIEW

Transversal Activities of Doctorate

Universidad Politécnica de Cartagena

Academic year: 2021-2022

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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			
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 On-line
URL / WEB		https://aulavirtual.upct.es/	
Horario de Atención /Office hours		Viernes de 9:00 a 11:00 por e-mail o aula virtual Fryday at 9:00 – 13:00 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	
Area de conocimiento /Knowledge area		Ingeniería del Terreno	
Despacho /Office location		Edificio de la ETSINO y la Eicm	
Teléfono /Telephone		968325743	email gonzalo.garcia@upct.es
URL / WEB			

Horario de Atención /Office hours	Viernes de 9:00 a 11:00 por e-mail o aula virtual Friday at 9:00 – 13:00 CET by email or Aula Virtual
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3. Fechas por edición / Dates	
1ª edición / 1st edition-	
Fecha/Date	The course is open all year except for the month of August
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