



Universidad
Politécnica
de Cartagena

Campus
de Excelencia
Internacional

THEORETICAL FRAMEWORK OR LITERATURE REVIEW

Transversal Activities of Doctorate

Universidad Politécnica de Cartagena

Academic year: 2020-2021

1. Información general de la actividad / General course information

Nombre/ Name	Marco teórico para la revisión de la bibliografía Theoretical framework for 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 Physic				
Despacho /Office location	Universidad Politécnica de Cartagena. ETSIA				
Teléfono /Telephone	+34 968 32 54 79	email	juanf.sanchez@upct.es		
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 Iván Alhama Manteca				
Departamento o Servicio/ Department/Service	Ingeniería Minera y Civil				
Area de conocimiento /Knowledge area	Ingeniería del Terreno				
Despacho /Office location	0.30. EICM. UPCT				
Teléfono /Telephone	868 07 1278	email	ivan.alhama@upct.es		
URL / WEB	https://aulavirtual.upct.es/				
Horario de Atención /Office hours	Contactar telefónicamente o por email				

3. Fechas por edición / Dates

1ª edición / 1st edition-	
Fecha/Date	The course is open all year , until June for inscription
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