



Universidad
Politécnica
de Cartagena

Campus
de Excelencia
Internacional

RESEARCH PROTECTION: HOW TO FILE A PATENT?



Transversal activities of doctorate
Universidad Politécnica de Cartagena

1. Información general de la actividad / General course information					
Nombre / Name		Research Protection: How to file a patent? (Protección de la Investigación: ¿cómo depositar una patente?)			
Nivel / Level		Doctorate			
Código / Code		300001007			
Universidad / University		Universidad Politécnica de Cartagena			
Lengua / Language		Español / English			
ECTS	1	hours / ECTS	30	Total hours	30

2. Datos del Profesorado / Lecture data	
Profesor / Lecturer in charge	Francisco S. Hernández Mata (Doctor en Química)
Departamento o servicio / Department or service	Unidad de Investigación y Transferencia Tecnológica
Área de conocimiento / Knowledge area	Química Inorgánica
Despacho / Office location	Rectorado. UITT-Sección de Transferencia Tecnológica.
Teléfono / Telephone	+34968327030
email	Pacos.hernandez@upct.es
URL / WEB	aulavirtual.upct.es
Horario de atención / Office hours	From 9:00 to 14:00 during Monday to Friday

3. Fechas por edición / Dates	
1ª edición / 1st edition	Febrero / February
Streaming: Fechas / Dates - Horario / Hours	7 (16h – 17:30h), 9 (16h – 18h). Español
2ª edición / 2nd edition	Mayo / May
Streaming: Fechas / Dates - Horario / Hours	2 (16h – 17:30h), 4 (16h – 18h). Español
3ª edición / 3rd edition	Junio / June
Streaming: Fechas / Dates - Horario / Hours	6 (16h – 17:30h), 8 (16h – 18h). Español

4. Objetivos del curso / Course objectives
The main objective of this course is helping students to protect their research work when their results are innovative and could be commercialized or used in the industry. Specific objectives of the course are: • providing students with the knowledge of distinguishing what is industrial property and the different types of industrial property such as industrial design, brands, patents and utility models and semiconductors topographies. • Developing in students the ability to know the technical state in the field of a patent by means of search websites • developing in students the ability to file a patent. • enabling students to read patents in a critical way.

5. Contenidos teóricos / Theory programme

1. Industrial Property in Spain and Europe (1h)

Unit 1. What is industrial property? Types of industrial properties in Spain and Europe.
When is it necessary to file a patent?

2. Useful websites for studying current state of the art of patents (2h)

Unit 2. Spanish website: www.oepm.es

Unit 3. European and international websites: <http://www.epo.org/>,
<http://worldwide.espacenet.com/>, www.google.com/patents, www.uspto.gov,
etcétera

3. How to write a patent document: examples (2h)

Unit 4. Parts of patent documents and indications for properly writing a patent draft

4. Protección de resultados de investigación (1.5h)

Propiedad Intelectual e Industrial: sistema de patentes y patentabilidad.

5. Preparación de una memoria de patente (2h)

Patentes como fuente de información, redacción de patente, patentes de software.

6. Contenidos prácticos / Practical programme

1. Practical work: filing a hypothetical patent (20h)

Practice 1. Carrying out a technical review of the filed patents in the area of interest (10h)

Practice 2. Draft document for a hypothetical patent (10 h)

7. Sistema de evaluación / System of evaluation

1. Evaluation will be carried out taking into account the practical work:

Practice 1. Carrying out a technical review of the filed patents in the area of interest.

Practice 2. Draft document for a hypothetical patent

8. Distribución horaria / Hours distribution

Activity	Location	Student work	Hours
Theory programme	On-line	On-line	5
		Streaming	3.5
Practice 1 (P1)	Computer room or home	Homework: identification and summary of patents	10
Practice 2 (P2)	Computer room or home	Homework: writing a draft document for a hypothetical patent	10
Tutoring	On-line		1.5
			30