



Universidad
Politécnica
de Cartagena

Campus
de Excelencia
Internacional

RESEARCH PROTECTION: HOW TO FILE A PATENT?



Transversal activities of doctorate
Universidad Politécnica de Cartagena

Academic year: 2016-2017

1. General course information			
Name	Research Protection: How to file a patent? (Protección de la Investigación: ¿cómo depositar una patente?)		
Level	Doctorate		
Code	300001007		
University	Universidad Politécnica de Cartagena (Technical University of Cartagena)		
Language	Español/English		
ECTS	1		
ECTS	1	hours / ECTS	10
Total hours			30

2. Lecture data			
Lecturer in charge	Francisco S. Hernández Mata (Doctor en Química)		
Department	Unidad de Investigación y Transferencia Tecnológica		
Knowledge area	Química Inorgánica		
Office location	Rectorado. UITT-Sección de Transferencia Tecnológica.		
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Office hours	From 9:00 to 14:00 during Monday to Friday		

3. Course objectives
<p>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.</p> <p>Specific objectives of the course are:</p> <ul style="list-style-type: none"> • 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.

4. 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

5. 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)

Evaluation will be carried out taking into account these two works.

6. Hours distribution

Activity	Location	Student work	Hours
Theory programme	Class room	Attend class	0
		Homework: study of the theory contents	10
Practice 1 (P1)	Computer room or home	Attend class	0
		Homework: identification and summary of patents	10
Practice 2 (P2)	Computer room or home	Homework: writing a draft document for a hypothetical patent	10
			30