13189 - PATPHOT - Patents in Photonics

Coordinating unit: 230 - ETSETB - Barcelona School of Telecommunications Engineering
Teaching unit: 731 - OO - Department of Optics and Optometry
Academic year: 2015
Degree: MASTER'S DEGREE IN PHOTONICS (Syllabus 2009). (Teaching unit Optional)
ERASMUS MUNDUS MASTER'S DEGREE IN PHOTONICS ENGINEERING, NANOPHOTONICS AND BIOPHOTONICS (Syllabus 2010). (Teaching unit Optional)
ECTS credits: 2,5  Teaching languages: English

Teaching staff

Coordinator: Carles Puente

Teaching methodology

Presencial  Teaching + activities

Learning objectives of the subject

This course is directed to train engineers and scientists who are interested on the practical use of photonics technology in the development of photonic inventions and innovation.
The course uses patents as the raw material for understanding how scientific and technical concepts might be translated into real-life industrial applications. Students will become familiar in handling, reading and understanding patent documents in different areas in the photonics field, will learn how to generally interpret the scope of protection of a patent and finally how to design a patent to protect a technology from both the US and the EU perspectives. Fundamental concepts on the effective use of patents in business will be also discussed through several examples of companies that have effectively used patents to leverage a successful technology based business.
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Content

(ENG) - Patents in Business

Degree competences to which the content contributes:

(ENG) - Introduction to patents

Degree competences to which the content contributes:

(ENG) - Structure and scope of protection of a patent

Degree competences to which the content contributes:

(ENG) - Introduction to patent engineering

Degree competences to which the content contributes:

(ENG) - The US and the EPO patent systems

Degree competences to which the content contributes:

Regulations for carrying out activities

The usual in University teaching

Bibliography