# Guia docent
# 13189 - PATPHOT - Patents en Fotònica

**Última modificació:** 13/05/2015

**Unitat responsable:** Escola Tècnica Superior d'Enginyeria de Telecomunicació de Barcelona
**Unitat que imparteix:** 731 - OO - Departament d'Òptica i Optometria.

**Titulació:** MÀSTER UNIVERSITARI EN FOTÒNICA (Pla 2009). (Assignatura optativa).
MÀSTER UNIVERSITARI ERASMUS MUNDUS EN ENGINYERIA FOTÒNICA, NANOFOTÒNICA I BIOFOTÒNICA (Pla 2010). (Assignatura optativa).

**Curs:** 2015 **Crèdits ECTS:** 2.5 **Idiomes:** Anglès

## PROFESSORAT

**Professorat responsable:** Carles Puente

**Altres:**

## METODOLOGIES DOCENTS

Presencial Teaching + activities

## OBJECTIUS D'APRENENTATGE DE L'ASSIGNATURA

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.

## CONTINGUTS

**-Patents in Business**

**-Introduction to patents**

**-Structure and scope of protection of a patent**

**-Introduction to patent engineering**

**-The US and the EPO patent systems**

## SISTEMA DE QUALIFICACIÓ

- Introductory Lessons- Weekly homeworks (first part of the course): Photonics' patent reading and interpretation.- Patent writing project: an invention in the Photonics field.

## NORMES PER A LA REALITZACIÓ DE LES PROVES.

The usual in University teaching