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**

> Competències de la titulació a les que contribueix el contingut:

**- Introduction to patents**

> Competències de la titulació a les que contribueix el contingut:

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

> Competències de la titulació a les que contribueix el contingut:

**- Introduction to patent engineering**

> Competències de la titulació a les que contribueix el contingut:

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

> Competències de la titulació a les que contribueix el contingut:

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## 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 de realització de les activitats

The usual in University teaching

## Bibliografia