

### 26830 - Graphic Tools and Optical Design

#### Información del Plan Docente

Academic Year 2017/18

**Faculty / School** 100 - Facultad de Ciencias

**Degree** 297 - Degree in Optics and Optometry

**ECTS** 6.0

Year

Semester Second semester

Subject Type Optional

Module ---

- 1.General information
- 1.1.Introduction
- 1.2. Recommendations to take this course
- 1.3. Context and importance of this course in the degree
- 1.4. Activities and key dates
- 2.Learning goals
- 2.1.Learning goals
- 2.2.Importance of learning goals
- 3. Aims of the course and competences
- 3.1.Aims of the course
- 3.2.Competences
- 4.Assessment (1st and 2nd call)
- 4.1. Assessment tasks (description of tasks, marking system and assessment criteria)
- 5.Methodology, learning tasks, syllabus and resources

#### **5.1.Methodological overview**

The proposed methodology seeks to encourage student's continued work and focuses on the most design practices in Optics.

#### 5.2.Learning tasks



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<ul> <li>Theoretical/Practical lecture</li> </ul>	es:
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The master sessions deal with the more theoretical aspects that are complemented by the study of practical cases. Practical sessions are performed using graphical computer aided design programs. So, it is intended to promote practical learning, which is enhanced by the performance of level tests and the continuous evaluation of the work developed in them by students.

-	Technical	Drawing	Practices:
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- Learning how to use Computer-Aided Design (CAD) software
- Create technical drawings of eyeglass frames, lens and optical devices by using CAD software
- Model eyeglass frames, lens and optical devices by using CAD software

### 5.3.Syllabus

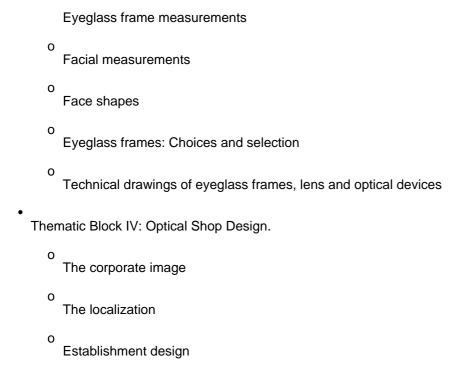
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  The optical Market in Spain
- The structure of supply
- The marketing of eyeglass frames
- Thematic Block II: Online Optical Establishments.
  - Evaluation of design variables in web pages
  - Practical suggestions
- Thematic Block III: Design of Eyeglass Frames, Lens and Optical Devices.
  - The evolution of eyewear design
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    The design process
  - Eyeglass frame types

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# 5.4. Course planning and calendar

## 5.5.Bibliography and recommended resources