

## 26830 - Graphic Tools and Optical Design

### Información del Plan Docente

<b>Academic Year</b>	2016/17
<b>Academic center</b>	100 - Facultad de Ciencias
<b>Degree</b>	297 - Degree in Optics and Optometry
<b>ECTS</b>	6.0
<b>Course</b>	
<b>Period</b>	Second semester
<b>Subject Type</b>	Optional
<b>Module</b>	---

### **1.Basic info**

#### **1.1.Recommendations to take this course**

#### **1.2.Activities and key dates for the course**

### **2.Initiation**

#### **2.1.Learning outcomes that define the subject**

#### **2.2.Introduction**

### **3.Context and competences**

#### **3.1.Goals**

#### **3.2.Context and meaning of the subject in the degree**

#### **3.3.Competences**

#### **3.4.Importance of learning outcomes**

### **4.Evaluation**

### **5.Activities and resources**

#### **5.1.General methodological presentation**

#### **5.2.Learning activities**

- Theoretical/Practical lectures

- 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.Program

- Thematic Block I: Optical Sector.
  - 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
  - The design process
  - Eyeglass frame types
  - Eyeglass frame measurements
  - Facial measurements
  - Face shapes
  - Eyeglass frames: Choices and selection
  - Technical drawings of eyeglass frames, lens and optical devices
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Thematic Block IV: Optical Shop Design.

- The corporate image
- The localization
- Establishment design

### **5.4.Planning and scheduling**

### **5.5.Bibliography and recommended resources**