

**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>	4
<b>Period</b>	Second semester
<b>Subject Type</b>	Compulsory
<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**

**Learning process designed for this subject is based on:**

Master classes in big groups and seminars

Laboratory practices in small groups but carried out individually or part by part.

## 26823 - Low Vision

Exercises, questionnaires and individual cases resolution via moodle

Personalized tutorial

### 5.2.Learning activities

Credits

Knowing and be able to perform all test included in the low vision optometric exam.(1 Credit ECTS )

Correct understanding of the optometric evaluation test (0,5 Credits ECTS )

Practical cases resolution(0,5 Credits ECTS )

Knowing the visual aids existing in the market, as well as their rehab application. (0,5 Credits ECTS )

Make a report about the low vision optometric attention given. (0,5 Credits ECTS )

Visual aids assembly and adaptation correct evaluation (1 Credits ECTS )

Be able to perform a low vision complete report and transmitting functional applications caused in the visual daily life of a patient.

### Practical sessions

Practices:

1. Measurement of AV by choice of tests, aids in different pathological conditions

## 26823 - Low Vision

2. Measuring the refractive objective for different eccentricities. Autorefractometre eccentricity. Off-axis and / or radical low vision retinoscopy simulators .)
3. Visual acuity at distance and near simulators and test different low vision sight. Contrast sensitivity in patients with low vision.
4. Objective and subjective in a patient with low vision refraction. Diagnostic procedures in low vision case management . Prismatic scanning based on the objectives.
5. Operation of optical aids. Spectacle mounted telescopes and microscopes
6. Actual patient.

### 5.3.Program

#### Program

Part of Optometry:

1. The patient with low vision. History.
2. Visual acuity in low vision.
3. Optometric evaluation of the patient with low vision.
4. Magnification.
5. Optics of low vision aids .
6. Low Vision Case Studies.

Part of Ophthalmology:

1. Low vision concept and epidemiology.
2. Age -related cataracts and low vision.
3. Other causes of low vision and glaucoma.
4. Low vision of macular origin, causes and prescription I and II.
5. Optical aids in low vision.
6. Effects of visual impairment in everyday life. Rehabilitation of the visually handicapped .

### 5.4.Planning and scheduling

**5.5. Bibliography and recommended resources**

**BB** Apuntes sobre rehabilitación visual / dirección, José Miguel Vila López . Madrid : ONCE, D.L. 1994 [Hay version electrónica. Ver URL]

**BB** Clínica de la baja visión / dirigida por Eleanor E. Faye ; con 17 autores colaboradores ; [versión española Ana M. Rubio y M. Dolores Cebrián Miguel] . [1ª ed.] Madrid : ONCE, D. L. 1997. [Hay version electrónica. Ver URL]

**BB** Inde, Krister. El adiestramiento de la visión subnormal / Krister Inde, Orjan Bäckman ; [traducción, Pedro Zurita y Ma. Victoria Eiroa] . Madrid : ONCE, D.L. 1988 [Hay version electrónica. Ver URL]

**BB** Mehr, Edwin B.. El cuidado de la baja visión / Edwin B. Mehr y Allan N. Freid . [Madrid] : ONCE, D.L. 1992 [Hay version electrónica. Ver URL]

**LISTADO DE URLs:**

Faye (1997) Clínica de la Baja Visión. Ed. ONCE -

[<http://www.once.es/serviciosSociales/descarga.cfm?idobjeto=69&idTipo=1&f=/ss>]

Inde (1988) El adiestramiento de la visión subnormal. Ed. ONCE -

[<http://www.once.es/serviciosSociales/descarga.cfm?idobjeto=54&idTipo=1&f=/ss>]

Mehr (1992) Cuidado de la baja visión. Ed. ONCE -

[<http://www.once.es/serviciosSociales/descarga.cfm?idobjeto=23&idTipo=1&f=/ss>]

Vila López (1994) Apuntes sobre Rehabilitación Visual. Ed. ONCE -

[<http://www.once.es/serviciosSociales/descarga.cfm?idobjeto=129&idTipo=1&f=/s>]