

**COURSE DATA****Data Subject**

Code	34301
Name	Optometry III
Cycle	Grade
ECTS Credits	4.5
Academic year	2018 - 2019

Study (s)

Degree	Center	Acad. year	Period
1207 - Grado en Óptica y Optometría	Faculty of Physics	3	First term

Subject-matter

Degree	Subject-matter	Character
1207 - Grado en Óptica y Optometría	12 - Optometry	Obligatory

Coordination

Name	Department
FERRER BLASCO, MARIA TERESA	280 - Optics and Optometry and Vision Sciences

SUMMARY

This subject has as general aim give to the student an as wide as possible vision of the adjustments of contact lenses in special cases and complications of their use. As it is reflected in the program, the above mentioned methods are directed to evaluate such specific aspects as the adjustment of contact lenses for the correction of the farsightedness as well as of the introduction to the orthokeratology.

PREVIOUS KNOWLEDGE**Relationship to other subjects of the same degree**

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

It is suitable, to have dealt and overcome the subjects relating to Optometry, as Optometry I and Optometry the IIInd. As well as subjects of the module of basic training like Physics, Geometric Optics, Anatomy and Physiological Optics. And subjects of the module of Optics like Optical Instruments and Optométricos and Ophthalmic Optics.



DESCRIPTION OF CONTENTS

1. Basic methods of ocular exploration and clinical protocol.

TOPIC 1: INTRODUCTION. THE VISUAL PRIMARY HEALTH. PRELIMINARY TESTS
 TOPIC 2: EXAMINATION OF THE PREVIOUS SEGMENT OF THE EYE BY BIOMICROSCOPY.
 TOPIC 3: CORNEOUS TOPOGRAPHY.
 TOPIC 4: MICROSCOPY CONFOCAL AND ESPECULAR.
 CLINICAL CASES. OPTOMETRIC EXAMINATION.

2. Evaluation of the ocular health.

TOPIC 5: DIRECT AND INDIRECT OFTALMOSCOPY.
 TOPIC 6: TOMOGRAPHY OF OPTICAL COHERENCE.
 TOPIC 7: OCULAR ECOGRAPHY.
 CLINICAL CASES. OPTOMETRIC EXAMINATION.

3. EVALUATION FIELD OF VISION AND PRESSURE INTRAOCULAR. STUDY OF THE TEAR.

TOPIC 7: EVALUATION OF THE PRESSURE INTRAOCULAR AND EXAMINATION OF THE FIELD OF VISION
 TOPIC 8: EVALUATION OF THE TEAR FILM
 CLINICAL CASES. OPTOMETRIC EXAMINATION.

4. CLINICAL PRACTICE

PRACTICE 1: EVALUATION PREVIOUS SEGMENT
 PRACTICE 2: PRACTICAL EVALUATION OF LATER SEGMENT
 PRACTICE 3: EVALUATION OF THE FIELD OF VISION AND COMPLEMENTARY TESTS

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	30,00	100
Other activities	15,00	100
Development of individual work	5,00	0
Preparation of evaluation activities	40,00	0
Preparing lectures	7,00	0
Preparation of practical classes and problem	15,00	0
TOTAL	112,00	



TEACHING METHODOLOGY

The educational methodology of this matter:

Theoretical classes:

Classes of modality presencial where the theoretical contents of the matter will be given. There will be reinforced the audio-visual use of methodology, which exemplify with major clarity the theoretical contents and the examples to developing.

Practical classes:

Classes of modality presencial in those who will develop the theoretical concepts of practical form in his application in the office of optometry.

EVALUATION

Him evaluation of the subject, it will consist of two parts:

- Theoretical Evaluation: written Examination type test. Maximum of 7 points.
- Practical Evaluation: Assistance to 3 practices and delivery of the memories. Maximum 3 points. It is obligatory to be able to accede to the pass, obtain at least the half of the possible note in each of the paragraphs. The assistance to the practices is mandatory.

REFERENCES

Basic

- a) Bibliografía básica:
 - Referencia b1: González-Cavada Benavides J. Atlas de lámpara de hendidura. ICM, (2003)
 - Referencia b2: Patel DV, McGhee CN. In vivo confocal microscopy of human corneal nerves in health, in ocular and systemic disease, and following corneal surgery: a review. Br J Ophthalmol. 2009; 93:853-60
 - Referencia b3: Greely Loring E. Text-Book of Ophthalmoscopy, Volume 1. Nabu Press. (2010)
 - Referencia b4: Yebra-Pimentel E, García-Resúa C. Tonometría: técnicas de medida. Utilidad clínica. Ed. Ulleye, (2007)
 - Referencia b5: Buratto L. Corneal topography: the clinical atlas. SLACK Inc., (1996)
 - Referencia b6: Montés-Micó R. OPTOMETRÍA. PRINCIPIOS BÁSICOS Y PALICACIÓN CLÍNICA. ED. ELSEVIER
 - Referencia b7: Montés-Micó R. OPTOMETRÍA. ASPECTOS AVANZADOS Y CONSIDERACIONES ESPECIALES. ED. ELSEVIER

- b) Bibliografía complementaria:
 - Referencia c1: Ledford JK, Sanders VN. The slit lamp primer. 2nd ed. Slack Inc, (2006)
 - Referencia c2: Wang M. Corneal topography in the wavefront era: a guide for clinical application. Slack Inc, (2006)



ADDENDUM COVID-19

This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council

English version is not available

