

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

<b>Code</b>	34306
<b>Name</b>	Contactology II
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	4.5
<b>Academic year</b>	2018 - 2019

**Study (s)**

<b>Degree</b>	<b>Center</b>	<b>Acad. Period year</b>
1207 - Degree in Optics and Optometry	Faculty of Physics	3 First term

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1207 - Degree in Optics and Optometry	13 - Contactology	Obligatory

**Coordination**

<b>Name</b>	<b>Department</b>
GARCIA LAZARO, SANTIAGO	280 - Optics and Optometry and Vision Sciences
SAÑUDO BUITRAGO, FRANCISCO	280 - Optics and Optometry and Vision Sciences

**SUMMARY****English version is not available**

Los objetivos de esta asignatura son los siguientes:

- Consolidar e incrementar los conocimientos adquiridos en la asignatura Contactología I.
- Conocer los distintos diseños y materiales de lentes de contacto y saber qué tipo es el más adecuado para su adaptación en casos de astigmatismo, presbicia, etc..
- Conocer las complicaciones en el uso de lentes de contacto, cómo prevenirlas y resolverlas.
- Conocer las alteraciones oculares que pueden afectar la adaptación de lentes de contacto.



## PREVIOUS KNOWLEDGE

### Relationship to other subjects of the same degree

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

### Other requirements

To take this course is desirable that students have previously studied subjects I Optometry, Optometry Practice I, II Optometry, Optometry Practices II, Contactology Contactology and Practices (first quarter).

## COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

### 1207 - Degree in Optics and Optometry

- To have and to understand the fundamentals of Optometry for its correct clinical and healthcare application.
- Knowing how to apply the knowledge acquired to professional activity, knowing how to solve problems and develop and defend arguments.
- Being able to gather and interpret relevant data to make judgments.
- Being able to transmit information, ideas, problems and solutions to both a specialized and non-specialized audience.
- Development of learning skills necessary to undertake further studies with a high degree of autonomy.
- To know the applicable legislation in professional practice, with special attention to matters of gender equality between men and women, human rights, solidarity, sustainability, protection of the environment and promotion of the culture of peace.
- To know the properties of the types of contact lenses and ocular prostheses.
- To know the geometry and physicochemical properties of the contact lens and to associate them with the ocular and refractive characteristics.
- To know and to use clinical and instrumental protocols in the exploration associated with the adaptation of contact lenses.
- To know the maintenance, diagnosis and treatment solutions and to associate them with the lenticular and ocular characteristics.
- To apply the clinical procedures associated with the adaptation of contact lenses to different refractive and ocular dysfunctions.
- To apply techniques of controlled modification of the corneal topography with the use of contact lenses.
- To detect, to assess and to solve anomalies associated with the wearing of contact lenses.



- To adapt contact lenses and ocular prostheses to improve vision and the external appearance of the eye.

## LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

The student has to acquire the advanced knowledge of the Contactología II that are necessary to approach successfully adjustments of contact lenses in more complex situations as the correction of the farsightedness or the ortoqueratología. They have to familiarize themselves with the adjustments in special cases as well as with the knowledge of the possible complications of the lentes de contacto.

## WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	30,00	100
Tutorials	7,50	100
Other activities	7,50	100
Attendance at events and external activities	5,00	0
Development of group work	5,00	0
Development of individual work	10,00	0
Study and independent work	15,00	0
Readings supplementary material	5,00	0
Preparation of evaluation activities	10,00	0
Preparing lectures	12,50	0
Resolution of case studies	5,00	0
<b>TOTAL</b>	<b>112,50</b>	

## TEACHING METHODOLOGY

The subject will use 3 types of classes attend them with differentiated methodology: a) theoretical Classes: The used methodology will be the magisterial - participative class. There will be given the theoretical basic contents, with illustrative examples. One will pay particular attention to the participation of the students by means of questions and planned discussions. Resources will be in use multimedia as the incorporation of images and videos. Punctually there will be in use educational alternative methodology as the debate or dynamics of numerous group. B) Classes of seminars: different alumnos will appear and discuss with clinical relevant studies in every thematic unit as well as clinical cases that illustrate and guarantee the knowledge developed in the theoretical classes. c) Finally, in the practical classes of office, the students will have to work different types of solutions for the correction of the farsightedness contact lenses, so much basic as the monovision as with more complex multifocal designs in pairs, and realize the specific tasks of evaluation that are assigned in every practice



## EVALUATION

English version is not available

## REFERENCES

### Basic

- González Méijome, JM. Contactología. Unidixital Santiago de Compostela. (2005)
- Hom MM, Bruce AS. Manual de prescripción y adaptación de lentes de contacto. Elsevier España. (2007)
- Efron, Nathan. Contact Lens Complications. Elsevier Health Sciences (2012)
- Gasson A, Morris J. The Contact Lens Manual A practical guide to fitting. Butterworth-Heinemann. (2003)
- Saona Santos CL. Contactología Clínica. Masson. (2002)
- Maniis MJ, Zadnik K, Coral-Ghanem C, Kara-Jose N. Contact Lenses in Ophthalmic Practice. Springer-Verlag. (2004)
- González Méijome JM, Villa Collar C. Superficie ocular y lentes de Contacto. Fundación Salud Visual, Desarrollo Optométrico y Audiológico. (2016)

### Additional

- Veys J, Meyler J, Davies I. Prácticas esenciales con lentes de contacto. The Vision Care Institute. (2013)
- Baron H, Lentes de Contacto, Introducción. Imprenta Nora, Lugones (Oviedo) (1979)
- Una guía para... El manejo clínico de las lentes de contacto. Bruce AS, Brennan NA. CIBA Visión. (2000)