

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

Code	34305
Name	Contactology practicum
Cycle	Grade
ECTS Credits	7.5
Academic year	2019 - 2020

Study (s)

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

Subject-matter

Degree	Subject-matter	Character
1207 - Degree in Optics and Optometry	13 - Contactology	Obligatory

Coordination

Name	Department
LOPEZ ALEMANY, ANTONIO	280 - Optics and Optometry and Vision Sciences

SUMMARY

Contactology Practices pursues the student to do step by step the process of adaptation of soft contact lenses and rigid spherical ametropia simulated patients, astigmatic and presbyopic. In order to know decisions at each step to get a proper and safe adaptation. At the end of the internship the student may participate in the adaptation to real cases.

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

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



Other requirements

The student must have completed or be enrolled Contactología matter. It would be advisable that the student / to have the knowledge imparted in areas such as Optometry I and II, both theoretical and practical aspects, Ophthalmic optics, and Ocular Anatomy, Human Physiology and Ocular, Ocular Biology and optical materials.

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

1207 - Degree in Optics and Optometry

- 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 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, at the end of his teaching must know how to know in which cases could adapt the contact lens and how to adapt it to meet their goals safely.

DESCRIPTION OF CONTENTS

1. INTRODUCTION: THE SLIT LAMP

It will be explained how the student will develop practices. It will be introduced to the slit lamp biomicroscope Management or through knowledge of parts and used as lighting, filters, increases the image and guidance of their observation and illumination components.



2. PRELIMINARY EXAMINATION FOR CONTACT LENSES ADAPTATION

Performing all phases of preadaptation since making the parentage of patient history, examination, decision parameters, etc. and conclude whether or not it is possible to adapt contact lenses and, where appropriate, that contact lenses should be considered as first choice for each particular case.

3. CONTACT LENSES HANDLING

How to Manipulate the lens for insertion and extraction of the ocular surface. How to clean, disinfect and condition these lenses for safe use. How to evaluate the parameters and morphology and cleaning of contact lenses.

4.

5. RIGID CONTACT LENSES ADAPTATION

From the data obtained in Practice II, the student will select the rigid lens deemed appropriate for each case according to methods described in terms of Contactology. Then evaluate whether the lens is suitable, otherwise change this lens for other suitable parameters based on observed.

6. SOFT TORIC CONTACT LENSES FITTING

From the data obtained in Practice II, the student will select soft toric lens with stabilization system deemed appropriate for each case according to methods described in terms of Contactology. Then evaluate whether the lens is properly by observing the stabilization system reference, otherwise change this lens for other suitable parameters based on observed.

7. MULTIFOCAL CONTACT LENSES FITTING

From the data obtained in Practice II, the student will select the soft lens multifocal deemed appropriate for the simulated case based on criteria outlined in the terms of Contactology. Then evaluate whether the lens is suitable, not forgetting the visual function at different distances, otherwise change this lens for other suitable parameters based on observed.

8. FITTING OF REAL PATIENTS IN CLINIC

The student will assist in Optometry Unit Foundation "Lluís Alcanyís" of the University of Valencia to Contactología query to know the reality of the process of contact lens fitting and monitoring in real patients.

**WORKLOAD**

ACTIVITY	Hours	% To be attended
Other activities	75,00	100
Attendance at events and external activities	5,00	0
Study and independent work	35,00	0
Readings supplementary material	17,50	0
Preparation of evaluation activities	5,00	0
Preparation of practical classes and problem	50,00	0
TOTAL	187,50	

TEACHING METHODOLOGY

The assignature will be developed through practicals classes you will develop the theoretical concepts in a practical application in the contact lens fitting. These classes, small group of up to eight students, will be conducted with patients simulados. De first step so that fit soft lenses and rigid at least three student-simulated patients. Students participate in the adaptation of real cases with the teacher.

EVALUATION

The evaluation of the subject will be composed of several sections that are detailed below with the value on the final grade of each of them. The student can not pass the subject if more than 4 sessions of the total of the 13 that form the whole development of the subject are missing. 10% of the grade will be obtained from the evaluation of the practical notebook. 20% of the mark will be obtained continuous evaluation by the teacher to the student throughout the development of the practices contemplating aspects of attendance, attention, involvement in the realization of the practices, acquired skills, collaboration among the students and answers correct to the questions and observations of the teaching staff. The practical exam section will be equivalent to 70% of the final grade. To overcome this section of the practical exam and to be able to give rise to the final grade, the student must obtain 50% of the qualification of this section. After passing the previous sections, to pass the subject, the student must obtain a sum of them of 5 or more points on the maximum that is 10.

REFERENCES**Basic**

- Referencia b1: COMPANY VIDAL, JOSE LUIS; y cols.
MANUAL DE PRÁCTICAS DE CONTACTOLOGÍA.
Editorial Universidad de Alicante, 2002.
- Referencia b2: GONZÁLEZ-CAVADA BENAVIDES
ATLAS DE LÁMPARA DE HENDIDURA
Editorial Complutense, 2001



10.2 Referencias Complementarias

Referencia c1: LÓPEZ ALEMANY, ANTONIO; SERÉS REVÉS, CARMEN; DURBAN FORNIELES, JUAN JOSÉ; COMPANY VIDAL, JOSÉ LUIS.

LENTES DE CONTACTO: TEORÍA Y PRÁCTICA

Editorial Ulleye. Xàtiva. 2008 ISBN 978-84-935497-5-6

Referencia c2: LÓPEZ ALEMANY, ANTONIO; SERÉS REVÉS, CARMEN; y cols.

USO PROLONGADO DE LENTES DE CONTACTO.

Ed. Ulleye. Xàtiva 2003.

Referencia c3: LOPEZ ALEMANY, ANTONIO.

SUPERFICIE OCULAR Y BIOMATERIALES: LENTES DE CONTACTO.

Ed. Ulleye, Xàtiva, 2010.

Referencia c4: RUBEN, M; GUILLON, M.

CONTACT LENS PRACTICE.

ED. CHAPMAN&HALL MEDICAL, 1994

Referencia c5: MARTÍN HERRANZ, RAÚL.

CONTACTOLOGÍA APLICADA.

ICM. Madrid, 2005

Referencia c6: SAONA SANTOS, CARLOS L.

CONTACTOLOGÍA CLÍNICA.

ED. MASSON, 2002.

Referencia c7: GONZALEZ MEIJOME, JOSE MANUEL.

CONTACTOLOGIA.

Ed. UNIDIXITAL,, S.L. Santiago de Compostela. 2005.

Referencia c8: HOM, MILTON.

MANUAL DE PRESCRIPCIÓN Y ADAPTACIÓN DE LENTES DE CONTACTO.

3ª EDICION, ED: MASSON, 2007

Referencia c9: DURAN DE LA COLINA, J.

COMPLIACIONES DE LAS LENTES DE CONTACTO.

TECNIMEDIA EDITORIAL, Madrid, 1998.

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