VNIVERSITAT DE VALÈNCIA

Course Guide
34306 Contactology II

COURSE DATA

Data Subject	
Code	34306
Name	Contactology II
Cycle	Grade
ECTS Credits	4.5
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
GARCIA LAZARO, SANTIAGO	280 - Optics and Optometry and Vision Sciences
SAÑUDO BUITRAGO, FRANCISCO	280 - Optics and Optometry and Vision Sciences

SUMMARY

The subject's (*Contactology II*) main objective is to offer specific knowledge for contact lens fitting in special cases and learn what alterations and complications might arise from contact lens wear. Therefore, this subject will allow students to complete the training of skills as primary visual health professionals, and parallelly combine the knowledge acquired in the subjects of *Contactology I and Contactology Practices,* allowing them to think in contact lens fitting as a whole. Consequently, this subject acts as the culmination of the contactology learning process within basic instruction.

Thus, as reflected in the program, the subject aims to evaluate aspects such as contact lens fittings in irregular corneas or for myopia control but also to analyze how such fittings can have an effect on ocular physiology. A complete evaluation of contact lens fitting in special cases, clinical protocol required and assessment and decision making in the case of complications due to contact lens wear, will be carried out.

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).

OUTCOMES

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

The student must acquire the advance knowledge of Contactology II subject that is necessary to successfully address contact lens fittings in more complex situations, such as in the correction of presbyopia or orthokeratology. The student should familiarize with special fittings as well as with the possible consequences derived from contact lens use.

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
TOTAL	**112,50**	

TEACHING METHODOLOGY

Different educational methodologies will be in use depending on the organizational modality of the student. So that:

AUDIO-VISUAL METHODOLOGIES: They will be in use in theoretical classes, seminars, individual tutorships, tutorships in-group and individual work.

EXERCISES OF PRACTICAL APPLICATION OF THE THEORETICAL CONTENTS: Seminars, individual work.

INTERACTIVITY OF THE GROUP ACROSS ORAL EXHIBITIONS: Seminars, tutorships in-group.

DEVELOPMENT OF THE THEORETICAL CONTENTS OF PRACTICAL FORM IN IN LABORATORY APPLICATION: Practices in offices.

THE THEORETICAL CONTENTS OF THE MATTER: Theoretical Classes.

CLASSES OF REDUCED GROUP WITH SIMULATED PATIENTS AND IN THE DEVELOPMENT OF THE MATTER WITH REAL PATIENTS: Practices in offices and seminars with simulations.

EVALUATION

The evaluation of the subject is carried out with the following criteria (over 10 points).

Written test: 7 points. Theoretical-practical issues.

It will consist of a series of multiple-choice questions and / or short questions.

Personal work of the student: 3 points.

- Attendance and advantage: 2 points (0.40 per practice).

- Practice notebook: 0.5 points.

- Oral presentation of clinical cases: 0.5 points.

It is mandatory to obtain a minimum score of 3.5 points out of 7 in the written test.

The delivery of the internship notebook becomes a maximum of one week after completing these and will only be computed if you have attended the practice.

It is mandatory to obtain a minimum score of 5 points out of 10 in the subject.

REFERENCES

Basic

- González Méijome, JM. Contactologia. 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)

ADDENDUM COVID-19

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

1.- Contenidos

Se reducen los contenidos inicialmente recogidos en la guía docente en un porcentaje del 50% de la materia que resta por impartir. Así, de los temas restantes, se imparte el tema de “Modificación de la cirvatura y potencia ocular por uso de lentes de contacto: Ortoqueratología” y no se imparte “Adaptación de lentes de contacto en corneas con astigmatismo irregular”

2.- Volumen de trabajo y planificación temporal de la docencia

Se mantienen las sesiones en los días programados.

3.- Metodología docente

Subida de materiales al Aula virtual en documento de texto

Propuesta de actividades por aula virtual

Videoconferencia síncrona BBC

Tutorías mediante videoconferencia y correo electrónico

4.- Evaluación

- Adición de actividades de evaluación continua.

Sustitución de las clases prácticas, por cuestionarios con preguntas frecuentes en la práctica.

- Se modifica el valor de los contenidos evaluables:

1. Prueba escrita: 7 puntos.
2. Cuestionarios teórico-prácticos: 2 puntos.
3. Exposición de artículos grabados en Power Point con sonido: 1 punto.

- La calificación necesaria para aprobar la asignatura será de 5 puntos.
- Será condición necesaria obtener una puntuación mínima de 3,5 puntos sobre 7 en la prueba escrita.

5.- Bibliografía

La bibliografía recomendada se mantiene pues es accesible