

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

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|----------------------|--------------------|
| Code | 43869 |
| Name | Clinical optometry |
| Cycle | Master's degree |
| ECTS Credits | 6.0 |
| Academic year | 2023 - 2024 |

Study (s)

| Degree | Center | Acad. Period |
|---|--------------------|---------------------|
| 2175 - M.U. en Optometría Avanzada y Ciencias de la Visión 13-V.2 | Faculty of Physics | 1 First term |

Subject-matter

| Degree | Subject-matter | Character |
|---|------------------------|------------------|
| 2175 - M.U. en Optometría Avanzada y Ciencias de la Visión 13-V.2 | 5 - Clinical optometry | Obligatory |

Coordination

| Name | Department |
|--------------------------|--|
| BUENO GIMENO, INMACULADA | 280 - Optics and Optometry and Vision Sciences |

SUMMARY

This is a totally practical course that takes place in the Optometry Clinic of "Lluís Alcanyís" Foundation of the University of Valencia.

Master students thus have an opportunity to care for patients of different ages and with different visual problems and characteristics. They will be accompanied and closely supervised by teachers as well as professional staff Unitat order to arrive at a diagnosis and treatment for each patient.

They can also handle various instruments, some of which are not commonly found in optics.



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, must be in possession of the title University Diploma in Optics and Optometry or be Graduate in Optics and Optometry.

OUTCOMES

2175 - M.U. en Optometría Avanzada y Ciencias de la Visión 13-V.2

- Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.
- Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.
- Students should communicate conclusions and underlying knowledge clearly and unambiguously to both specialized and non-specialized audiences.
- Students should demonstrate self-directed learning skills for continued academic growth.
- Students should possess and understand foundational knowledge that enables original thinking and research in the field.
- Know how to work in multidisciplinary teams reproducing real contexts and contributing and coordinating their own knowledge with that of other branches and participants.
- Participate in, lead and coordinate debates and discussions, be able to summarize them and extract the most relevant conclusions accepted by the majority.
- Use different presentation formats (oral, written, slide presentations, boards, etc.) to communicate knowledge, proposals and positions.
- Proyectar sobre problemas concretos sus conocimientos y saber resumir y extraer los argumentos y las conclusiones más relevantes para su resolución.
- To carry out clinical activities related to refraction, visual exploration, contact lens fitting, visual training and low vision.
- To apply the techniques of mounting corrections or visual compensation in glasses and possible touch-up of contact lenses.
- To make contact with the commercialization of the products, supply, storage, conservation and information.



- To know and to apply manufacturing techniques for visual aids and optical and optometric instruments.
- To carry out the patient care protocol in the optometric clinic / clinic.
- To take a clinical history appropriate to the patient's profile.
- To select and to apply correctly in each case all the skills, abilities and competencies acquired in Optometry.
- To communicate and to inform the patient of all acts and tests to be performed and clearly explain the results and their diagnosis.
- Tener capacidad de análisis crítico de la información especializada en los ámbitos propios del máster.
- Tener un compromiso ético y responsabilidad social, tanto en lo que compete a la componente asistencial ligada a la profesión de óptico-optometrista como a lo que respecta a la investigación clínica.
- Tener capacidad de trabajo en equipos multidisciplinares en el área de las ciencias de la salud.
- Conocer la legislación aplicable en el ejercicio profesional, con especial atención a las materias de de igualdad de género entre hombre y mujeres, derechos humanos, solidaridad, protección del medio ambiente y fomento de la cultura de la paz.

LEARNING OUTCOMES

Familiarize yourself with dealing of the patients.

Learning to organize clinical consultation.

Learn the systematic clinical examination and its variants depending on the case.

Learning to manage different teams of clinical use.

Learn to apply the different techniques or strategies for the diagnosis explained in theoretical subjects.

Learning to reach a diagnostic clinical impression in each clinical case.

Knowing that indicate in each case after the scan.

Knowing what situations must refer the case to other professionals.

Knowing how to program track refractive-therapeutic indications.

DESCRIPTION OF CONTENTS

**1. CLINICAL PRACTICE**

Application of theoretical contents in daily optometric clinical practice with patients.

WORKLOAD

| ACTIVITY | Hours | % To be attended |
|--|---------------|------------------|
| Laboratory practices | 48,00 | 100 |
| Preparation of evaluation activities | 10,00 | 0 |
| Preparation of practical classes and problem | 70,00 | 0 |
| TOTAL | 128,00 | |

TEACHING METHODOLOGY

Practical sessions are on-campus classes that will develop the theoretical concepts in a practical way in their application in clinical optometry. These classes, small group of up to ten students, will be held first with simulated patients for later in the sequence of matter, developed on real patients.

EVALUATION

Continuous assessment of activity and knowledge of the student: 75%

Evaluation of work carried out jointly between one or more students: 25%

The student must obtain at least half the qualification in each section.

REFERENCES**Basic**

- Carson, N B. Procedimientos clínicos en el examen visual. Editorial Ciagami, 1994.
- Menezo JL, España E. Técnicas exploratorias en Oftalmología. Espaxs. 2006
- Solans Barri T, Garcia Sánchez J. Refracción ocular y baja visión. Edita SEO, 2003