COURSE DATA

DATA SUBJECT

Code: 47004
Name: Internship
Cycle: Master's Degree
ECTS Credits: 6
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
2280 - Master's Degree in Advanced Optometry and Vision Sciences	Facultat de Física	1	Indefinite (Individuals)

SUBJECT-MATTER

Degree	Subject-matter	Character
2280 - Master's Degree in Advanced Optometry and Vision Sciences	Prácticas Académicas Externas	INTERNSHIPS

COORDINATION

BUENO GIMENO INMACULADA

SUMMARY

The External Internships course allows students to apply, in a professional setting, the knowledge and skills acquired during the master's program. A training placement is carried out in external centers such as clinics, hospitals, opticians, and/or specialized centers and healthcare institutions, where students take part in care-related, diagnostic, or management activities linked to optometry and vision sciences. This experience facilitates professional development, exposure to real-world practice, and collaborative work. The external centers may be located near the University of Valencia or closer to the student's place of residence. All external centers must have previously signed an agreement with the University of Valencia for the development of clinical internships, and a company-based supervisor (external tutor) will be assigned.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

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

OTHER REQUIREMENTS

There are no other specific requirements for this course.

COMPETENCES / LEARNING OUTCOMES

2280 - Master's Degree in Advanced Optometry and Vision Sciences

Apply clinical techniques related to the latest advances in refraction, visual examination, contact lens fitting, visual training and low vision.

Apply different action protocols depending on the patient.

Apply the knowledge acquired and be able to solve proplems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to the field of study.

Apply the most suitable test for a specific purpose.

Be aware of advances in visual analysis in geriatric patients.

Be aware of advances in visual analysis in pediatric patients.

Carry out clinical activities related to refraction, visual examination, contact lens fitting, visual training and low vision.

Communicate and inform the patient about all procedures and tests to be performed and clearly explain the results and diagnosis.

Demonstrate confidence in interpreting common clinical tests and know how to evaluate the reliability of a measurement made with a device.

Distinguish the most appropriate optometric solution for each individual patient at any time.

Educate patients on the preservation of visual health.

Evaluate and perform differential diagnosis and apply treatments for various visual problems specific to the field of optometry.

Have ethical commitment and social responsibility, both in the care component linked to the optometrist profession and in clinical research.

Identify problems and limitations encountered by patients with specific characteristics due to their pathology.

Identify the difficulties experienced by pathological patients undergoing clinical examination and develop strategies to minimise them.

Identify the limitations presented by optometric corrections.

Identify when it is appropriate to refer the patient for other types of optometric aids.

Inform patients of the clinical findings and their significance.

Interpret and analyse ophthalmological clinical diagnostic tests.

Interpret the complementary tests necessary in vision consultations.

Know advanced ocular exploration techniques from a functional perspective.

Know how to communicate conclusions and the knowledge and rationale behind them to both specialised and non-specialised audiences clearly and unambiguously.

Know the visual anomalies with pathological incidence.

Organise the different areas of visual care, from primary care to specialised care in public or private clinics.

Plan and manage time and resources, and gain experience in decision-making.

Prescribe the best optometric solution for each case.

Promote collaboration with other healthcare professionals.

Relate ophthalmological manifestations, systemic, neurological and endocrine diseases with the most prevalent visual impairments.

Understand new techniques in refraction, visual examination, binocular vision analysis, visual training and optical elements for correcting visual problems.

Understand the concepts of deontology and professional best practices.

Understand the different action and care protocols depending on the patient.

Understand the management and refractive treatment in specific conditions.

Understand the operating principles of the latest-generation optical and optometric instruments and their applications.

Work in multidisciplinary teams in the health sciences.

DESCRIPTION OF CONTENTS

Students must carry out, in real professional environments, tasks involving:

- New techniques in refraction and visual examination, advanced contact lens fitting, vision therapy, and low vision care.
- Application of different clinical protocols depending on the patient.
- Completion of a clinical history appropriate to the patient's profile.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at the internship centre	120,00
Attendance at supplementary activities	0,00
Monitoring and tutoring of internships	0,00
Total hours	**120,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Independent study and work	0,00
Preparation of supplementary reports	0,00
Preparation of the internship report and evaluation of the internship	30,00
Total hours	**30,00**

TEACHING METHODOLOGY

The course is structured through a professional placement in real-world settings such as clinics, hospitals, opticians, or specialized centers. Its main goal is to provide supervised practical experience that enables students to apply the knowledge acquired during the master¿s program, exposing them to real optometric and healthcare situations.

Students are supervised by two tutors:

- An academic tutor, assigned by the University of Valencia, who monitors progress and ensures that the training content is appropriate.

- An external tutor, designated by the host center, who directly supervises the student¿s activities during the internship.

The activities are carried out in areas such as advanced refraction, visual examination, contact

lens fitting, vision therapy, low vision care, public health, and clinical management. In all cases, the methodological approach is practical and applied, tailored to each setting, with students gradually engaging in tasks under professional supervision.

EVALUATION

The assessment of the External Internships course will consist of two parts:
a) Evaluation by the external tutor of various aspects related to the student's performance during the internship. This part will account for up to 40% of the final grade.
b) Evaluation by the academic tutor based on a written report submitted by the student, followed by an interview between the academic tutor and the student, during which any aspect the tutor deems relevant may be discussed. This part will account for 60% of the final grade and will be conducted after the clinical internship has ended.

If the student does not pass the external tutor's evaluation, the final grade will be recorded as NOT PRESENTED.

In the interview with the academic tutor, the tutor will aim to determine whether the student has improved their clinical knowledge as a result of the internship. The tutor may ask about any aspect of the report and/or the three clinical cases the student is required to submit.

The Academic Coordination Committee has established the following deadlines for submission of the report and the evaluation interview with the academic tutor:

- First session: June 15 for the report submission and June 30 for the interview.
- Second session: September 1 for the report submission and September 15 for the interview.

At all times, the regulations outlined in the "External Internship Regulations of the Master's Degree in Advanced Optometry and Vision Sciences" will apply. These can be consulted on the master's program website.

REFERENCES

Basic references:

- Carlson N.B. *Procedimientos clínicos en el examen visual.* Ciagami - 1994 - ISBN 978-8488985002

- Menezo J.L., España E. *Técnicas exploratorias en oftalmología.* Espaxs - 2006 - ISBN 978-8471793188

- Solans Barri T., García Sánchez J. *Refracción ocular y baja visión.* Edita SEO - 2003

Complementary references:

- López Alemany A. *Optometría Pediátrica.* Ulleye - 2004

- Montés-Micó R. (editor). *Optometría. Principios básicos y aplicación clínica.* Elsevier - 2011 - ISBN 978-8480868228