

**COURSE DATA****DATA SUBJECT**

Code: 34303
Name: Geriatric optometry and health legislation
Cycle: Undergraduate Studies
ECTS Credits: 7.5
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
1207 - Degree in Optics and Optometry	Facultat de Física	4	First quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
1207 - Degree in Optics and Optometry	Optometry	COMPULSORY

COORDINATION

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SUMMARY

The aging population has been recognized by various international organizations like the UN, the World Health Organization or the European Union who have issued recommendations to individual partner countries on the need to encourage and promote the expertise of professionals for better care for the elderly. The elderly population is a population group with very particular characteristics in which both expectations, such as patient care and clinical examination procedures have distinct elements of clinical examination. This course has a first section dedicated to the study of these peculiarities, including the development of capacities for early detection and monitoring of disorders more prevalent in this group and with great visual impact and quality of life for these patients.

In a second block includes the legislation for the professional practice, ranging from the sphere of competence, ethics code and its development in recent decades to the current regulations in areas such as leadership and its comparison with existing regulations in other countries the European Union.

PREVIOUS KNOWLEDGE**RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE**

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

OTHER REQUIREMENTS



Is recommended that subjects previously passed Optometry I, III and practices Optometry Optometry I.

COMPETENCES / LEARNING OUTCOMES

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Ability to act as a primary visual care agent.

Ability to measure, interpret and treat refractive and binocular errors.

Ability to prescribe, control and monitor optical corrections.

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.

Knowing how to apply the knowledge acquired to professional activity, knowing how to solve problems and develop and defend arguments.

To acquire skills in the instrumental tests for the evaluation of visual functions and eye health. To know how to take a complete anamnesis.

To acquire the ability to examine, to diagnose and to treat visual abnormalities with special emphasis on differential diagnosis.

To acquire the clinical skills necessary for the examination and treatment of patients.

To acquire the skills for the interpretation and clinical judgment of the results of visual tests, to establish the most appropriate diagnosis and treatment.

To apply the clinical procedures associated with the adaptation of contact lenses to different refractive and ocular dysfunctions.

To design, to apply and to control visual therapy programs. To know the current techniques of eye surgery and to have the ability to perform the eye tests included in the pre and post-operative exam.

To develop communication skills, data recording and medical record making.

To have and to understand the fundamentals of Optometry for its correct clinical and healthcare application.

To identify and to analyze environmental and occupational risk factors that can cause visual problems.

To know, to apply and to interpret instrumental tests related to visual health problems.

To know and to apply new technologies in the field of optometric clinic.



To know and to apply visual screening techniques applied to different populations.

To know the applicable legislation in professional practice, with special attention to matters of gender equality between men and women, human rights, solidarity, protection of the environment and promotion of the culture of peace.

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To know the differences in treatment and refractive diagnosis of the pediatric patient.

To know the different protocols applied to patients.

To know the fundamentals and techniques of health education and the main generic health programs to which the optometrist must contribute from their scope of action.

To know the legal and psychosocial aspects of the profession.

To know the modifications linked to aging in perceptual processes.

To know the nature and organization of the different types of clinical care.

To know the principles and to have the skills to measure, interpret, and treat accommodative and binocular vision abnormalities.

To know the sensory and oculomotor mechanisms of binocular vision.

DESCRIPTION OF CONTENTS

1. Ocular aging: physiological and pathological changes.

2. Visual function and optometric examination in the older population

3. Ocular aging: physiological and pathological changes.

4. Systemic and neurodegenerative diseases associated with aging with ocular and visual repercussions.



5. Diagnostic equipment and treatment.

6. L1: Legal and juridical aspects of optics and optometry.

7. L2: Professional and ethical aspects of optics and optometry.

8. L3. Regulations of the European Communities.

9. L4. The individual and social optics and optometry company.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Tutorials	7,50
Theory	60,00
Other activities	7,50
Total hours	75,00

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	27,00
Independent study and work	40,00
Preparation of lessons	15,00
Preparation for assessment activities	15,00
Resolution of case studies	15,50
Total hours	112,50

TEACHING METHODOLOGY

- Face to face activities:

- Theoretical classes: In-person classes (with the possibility of also including blended or distance learning)



where the theoretical content of the subject will be taught.

The use of audiovisual methodology will be reinforced, providing a clearer illustration of the theoretical content and the examples to be developed.

- Small group theoretical sessions: These sessions are dedicated to group work on real-life case studies to be analyzed and studied by the group. Group interactivity will be sought through oral presentations and classroom examples, which will be included in continuous assessment.

- Practical classes: In-person classes in which theoretical concepts will be developed in a practical way and applied in the Optometry practice. These classes, in small groups of a maximum of ten students, will be conducted with real patients.

- Student work:

- Study of theoretical foundations.

- Development of assignments and questions posed in class.

- Individual tutoring in the office.

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EVALUATION

The evaluation of the subject will be carried out in the following terms:

Written test: 7 points.

- It will consist of a series of multi-option answer questions and/or short questions to be developed and/or synoptic tables.

- This written test will consist of two different parts: Geriatric Optometry and Health Legislation. The part of Geriatric Optometry will score 75% in the final grade of the written test, and the part of Health Legislation 25%.

Personal work of the student: 3 points.

- Clinical practices (assistance and use).

- Oral presentations of proposed works and clinical cases seen in clinical practices.



- Exercises, supervised work, class activities, etc.

To pass the subject, it will be a necessary condition:

1. Obtain a minimum overall score of 5 points out of 10.
2. Obtain a minimum score of 50% in each of the two parts of the written exam to average. (a)
3. Obtain a minimum grade of 50% in the overall grade of the student's work. (b)

(a) In case of passing one of the parts of the written exam in the first call, it will be kept for the second.

(b) Attendance at the practice sessions is considered mandatory to pass the subject, and they constitute a non-recoverable activity, so it will not be possible to evaluate them in the second call and may lead to the non-passing of the subject in the current course.

REFERENCES

- Referencia b1: Montes-Micó R. Optometría: Principios Básicos y Aplicación Clínica. Elsevier. 2011. ISBN: 978-84-8086-822-8.
- Referencia b2: Montés-Micó R. Optometría: Aspectos Avanzados y Consideraciones Especiales. Elsevier. 2011. ISBN: 978-84-8086-890-7
- Referencia b3: Grosvenor T. Primary Care Optometry. Butterworth-Heinemann. 5th edition. (2006)
- Referencia c1: Directive 2006/126/ec of the European parliament and of the council of 20 December 2006 on driving licenses. Official Journal of the European Union 12/2006
- Referencia c2: ECOO Blue Book. European Council of Optics and Optometry. 2008.
- Referencia c3: Agencia Española de Medicamentos y Productos Sanitarios ¿ AEMPS <https://www.aemps.gob.es/>