COURSE DATA

DATA SUBJECT

Code: 34303
Name: Geriatric optometry and health legislation
Cycle: Undergraduate Studies
ECTS Credits: 7.5
Academic year: 2026-27

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

1207 - Degree in Optics and Optometry

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 andto 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

TOPIC BLOCK 2: GERIATRIC OPTOMETRY

G1. Aging: Context and Foundations for Clinical Practice.

G2. Aging: Physiological Changes in Visual Function.

G3. Clinical Evaluation and Visual Examination in Geriatric Optometry.

G4. Ocular and Visual Impact of Medication in Geriatric Patients.

G5. Aging: Physiological and Pathological Changes of the Anterior Segment and Ocular Adnexa.

G6. Aging: Physiological and Pathological Changes of the Posterior Segment.

G7. Aging: Systemic and Neurodegenerative Diseases with Ocular Impact.

G8. Assessment, Diagnostic, and Treatment Equipment for Geriatric Patients.

TOPIC BLOCK 2: HEALTH LEGISLATION

L1: Legal and Juridical Aspects of Optics and Optometry.

L2: Professional and Ethical Aspects of Optics and Optometry.

L3. European Community regulations.

L4. The individual and social optical and optometric company.

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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.
- Individual tutoring.

EVALUATION

The course assessment will be carried out as follows:

- The maximum overall grade obtainable in the course is 10 points.

- The grade will be calculated using the following assessment elements:

A. WRITTEN EXAM (70% of the final grade: 7 points):

- This exam will consist of a series of multiple-choice questions and/or short-answer questions and/or clinical cases. Multiple-choice questions will have only one correct answer. An incorrect answer in this type of question will result in a deduction of one-third of the value of a correct answer.

- This written exam will consist of two distinct parts: Geriatric Optometry (1) and Healthcare Legislation (2).

The Geriatric Optometry section will account for 75% of the written exam grade, and the Healthcare Legislation section for 25%.

B. Personal Work (Student) (30% of the final grade: 3 points):

- Clinical placements (attendance and participation).

- Seminars (participation).

- Class activities (participation).

Requirements to pass the course:

1. Obtain a minimum overall grade of 5 out of 10.

2. Obtain a minimum grade of 50% in each of the two parts of the written exam (element A). (*)

3. Obtain a minimum grade of 50% in the overall grade for the individual work (element B). (**)

(*)If one of the parts of the written exam is passed in the first sitting, it will be carried over to the second sitting. In this case, the final grade for the subject will be the grade corresponding to the failed portion out of 10.

(**)Attendance at practical sessions is mandatory to pass the subject, and

they constitute a non-recoverable activity, therefore they cannot be assessed in the second

exam attempt, and failure to attend may result in failing the subject in the current academic year.

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/