



Course guide

370026 - DISPENS I - Dispensing and Assembly of Spectacles I

Last modified: 08/04/2024

Unit in charge: Terrassa School of Optics and Optometry
Teaching unit: 731 - OO - Department of Optics and Optometry.

Degree: BACHELOR'S DEGREE IN OPTICS AND OPTOMETRY (Syllabus 2020). (Compulsory subject).

Academic year: 2023 **ECTS Credits:** 3.0 **Languages:** Catalan

LECTURER

Coordinating lecturer: Lupón Bas, Marta (Professora titular, <https://futur.upc.edu/MartaLuponBas>).

Others: Fransoy Bel, Marta (Professora titular, <https://futur.upc.edu/MartaFransoyBel>).
Ana I. Megino Quesada (Professora associada, <https://futur.upc.edu/AnaIsabelMeginoQuesada>)

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

CE12. Understand and make use of techniques for analysing, measuring, correcting and monitoring the effects of compensatory optical systems on the visual system in order to optimise their design and fit. Make use of the techniques of centring, fitting, mounting and adjusting on all kinds of optometrically prescribed lenses, visual aids and protective eyewear. Prescribe, monitor and follow up with optical corrections. Identify and analyse environmental and workplace risk factors that could lead to visual issues.

Generical:

CG5. Give opinions and produce reports and expert reports when necessary.

CG10. Communicate treatment indications of visual health and their conclusions to the patient, relatives and other professionals involved in the patient's care, adapting to the sociocultural characteristics of each person.

Transversal:

CT6. Independent learning. Identify and overcome gaps in one's knowledge by thinking critically and choosing the best approach to extending one's knowledge.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

1.

STUDY LOAD

Type	Hours	Percentage
Self study	45,0	60.00
Hours small group	30,0	40.00

Total learning time: 75 h



CONTENTS

DISPENSING AND ASSEMBLY OF SPECTACLES. SIMULATED CASES

Description:

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Related competencies :

CE12. Understand and make use of techniques for analysing, measuring, correcting and monitoring the effects of compensatory optical systems on the visual system in order to optimise their design and fit. Make use of the techniques of centring, fitting, mounting and adjusting on all kinds of optometrically prescribed lenses, visual aids and protective eyewear. Prescribe, monitor and follow up with optical corrections. Identify and analyse environmental and workplace risk factors that could lead to visual issues.

Full-or-part-time: 16h

Laboratory classes: 8h

Self study : 8h

PATIENT ASSISTANCE IN SPECTACLE DISPENSING. REAL CASES

Description:

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Full-or-part-time: 19h

Laboratory classes: 12h

Self study : 7h

SPECTACLE ASSEMBLY. REAL CASES

Description:

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Related activities:

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Full-or-part-time: 25h

Laboratory classes: 10h

Self study : 15h

PORTFOLIO

Description:

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Full-or-part-time: 15h

Self study : 15h

ACTIVITIES

DISPENSING AND ASSEMBLY OF SPECTACLES. SIMULATED CASES

Description:

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Related competencies :

CE12. Understand and make use of techniques for analysing, measuring, correcting and monitoring the effects of compensatory optical systems on the visual system in order to optimise their design and fit. Make use of the techniques of centring, fitting, mounting and adjusting on all kinds of optometrically prescribed lenses, visual aids and protective eyewear. Prescribe, monitor and follow up with optical corrections. Identify and analyse environmental and workplace risk factors that could lead to visual issues.

Full-or-part-time: 16h

Laboratory classes: 8h

Self study: 8h

PATIENT CARE. REAL CASES

Description:

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Related competencies :

CG10. Communicate treatment indications of visual health and their conclusions to the patient, relatives and other professionals involved in the patient's care, adapting to the sociocultural characteristics of each person.

CE12. Understand and make use of techniques for analysing, measuring, correcting and monitoring the effects of compensatory optical systems on the visual system in order to optimise their design and fit. Make use of the techniques of centring, fitting, mounting and adjusting on all kinds of optometrically prescribed lenses, visual aids and protective eyewear. Prescribe, monitor and follow up with optical corrections. Identify and analyse environmental and workplace risk factors that could lead to visual issues.

Full-or-part-time: 19h

Laboratory classes: 12h

Self study: 7h

LENS MOUNTING IN SPECTACLES. REAL CASES

Related competencies :

CG5. Give opinions and produce reports and expert reports when necessary.

CE12. Understand and make use of techniques for analysing, measuring, correcting and monitoring the effects of compensatory optical systems on the visual system in order to optimise their design and fit. Make use of the techniques of centring, fitting, mounting and adjusting on all kinds of optometrically prescribed lenses, visual aids and protective eyewear. Prescribe, monitor and follow up with optical corrections. Identify and analyse environmental and workplace risk factors that could lead to visual issues.

CT6. Independent learning. Identify and overcome gaps in one's knowledge by thinking critically and choosing the best approach to extending one's knowledge.

Full-or-part-time: 25h

Laboratory classes: 10h

Self study: 15h



PORTFOLIO

Description:

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Related competencies :

CG5. Give opinions and produce reports and expert reports when necessary.

CG10. Communicate treatment indications of visual health and their conclusions to the patient, relatives and other professionals involved in the patient's care, adapting to the sociocultural characteristics of each person.

CT6. Independent learning. Identify and overcome gaps in one's knowledge by thinking critically and choosing the best approach to extending one's knowledge.

Full-or-part-time: 15h

Self study: 15h

EUROPEAN DIPLOMA COMPETENCIES

Description:

The subject SPECTACLE DISPENSING AND LENS MOUNTING participates in the following competences of the European diploma:

- competence nº 12 of the area A5 "Optical Appliances. Knowledge and Practical" with a weight of 0.48 ECTS
- competences nº 10 and nº 11 of the area B8 "Refraction. Knowledge and Practical" with a weight of 0,2 ECTS
- competence nº 9 of the area B9 "Low vision. Knowledge and Practical with a weight of 0,04 ECTS
- competence nº 4 of the area D25 "Communication. Knowledge and Practical" with a weight of 0,24 ECTS
- competence nº 5 of the area D26 "Professional Conduct. Knowledge and Practical" with a weight of 0,24 ECTS

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

- Caum Aregay, Jesús. Tecnología óptica : lentes oftálmicas, diseño y adaptación [on line]. Barcelona: Edicions UPC, 2001 [Consultation: 30/03/2022]. Available on: <http://hdl.handle.net/2099.3/36343>. ISBN 8483014742.
- Jalie, Mo. Ophthalmic lenses & dispensing. 3rd ed. Oxford: Butterworth Heinemann Elsevier, 2008. ISBN 9780750688949.