



Course guide

370032 - DISPENS II - Dispensing and Assembly of Spectacles II

Last modified: 22/03/2024

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 d'escola universitària, <https://futur.upc.edu/MartaLuponBas>)

Others: Fransoy Bel, Marta (Professora Titular d'Escola Universitaria, <https://futur.upc.edu/MartaFransoyBel>)
Megino Quesada, Ana Isabel (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

content english

STUDY LOAD

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

Total learning time: 75 h

CONTENTS

Patient assistance. Selection and delivery of spectacles

Description:

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Related activities:

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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: 23h 30m

Laboratory classes: 18h

Self study : 5h 30m

title english

Description:

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Related activities:

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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: 23h 30m

Laboratory classes: 18h

Self study : 5h 30m



Description:

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.

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

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: 28h

Laboratory classes: 6h

Self study : 22h

ACTIVITIES

Description:

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: 16h 30m

Laboratory classes: 11h

Self study: 5h 30m

Description:

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: 16h 30m

Laboratory classes: 11h

Self study: 5h 30m



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.

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

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: 27h

Self study: 27h

name english

Full-or-part-time: 0h 01m

Self study: 0h 01m

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 [etc.]: Butterworth Heinemann Elsevier, 2008. ISBN 9780750688949.