

Course guide

370038 - TFG - Bachelor's Thesis

Last modified: 20/12/2023

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). (Project subject).

Academic year: 2023 **ECTS Credits:** 6.0 **Languages:** Catalan, Spanish

LECTURER

Coordinating lecturer: Argilés Sans, Marc (<https://futur.upc.edu/MarcArgilesSans>)

Others: Cada alumne tindrà com a mínim un professor director del seu TFG, pertanyent a qualsevol departament de la UPC.

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:

CE27. (ENG) Treball final de grau: matèria transversal en que el treball es realitzarà associat a diferents matèries.

Generical:

- CG1. Demonstrate knowledge of, design and apply prevention and maintenance programmes relating to the population's visual health.
- CG4. Critically reflect on the clinical, scientific, ethical and social issues involved in the professional practice of optometry, understand the scientific foundations of optics and optometry and critically evaluate terminology, clinical trials and research methods related to optics and optometry.
- CG5. Give opinions and produce reports and expert reports when necessary.
- CG6. Assess and incorporate the technological improvements necessary to properly carry out professional activities.
- CG8. Plan and carry out research projects that contribute to the production of knowledge in the field of optometry and disseminate this scientific knowledge via the typical communication channels.
- CG9. Expand and update one's professional abilities through continuing education.
- 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.
- CG11. Locate new information and interpret it in context.
- CG12. (ENG) The ability to understand the general structure of optometry and its connection to other specific disciplines and other complementary ones.
- CG13. Demonstrate and interpret methods for critical analysis and theory development and apply them to the field of optometry.
- CG14. Demonstrate knowledge, skills and abilities in patient healthcare.
- CG16. Participate effectively in both single-discipline and multidisciplinary work groups on projects related to optometry.
- CG17. (ENG) Incorporar els principis ètics i legals de la professió a la pràctica professional, respectant l'autonomia del pacient, els seus determinants genètics, demogràfics, culturals i socioeconòmics, integrant els aspectes socials i comunitaris en la presa de decisions, aplicant els principis de justícia social en la pràctica professional, en un context mundial en transformació.
- CG18. (ENG) Adquirir la capacitat per a realitzar una gestió clínica centrada en el pacient, el l'economia de la salut i en l'ús eficient dels recursos sanitaris, així com la gestió eficaç de la documentació clínica amb especial atenció a la confidencialitat.



Transversal:

CT1. (ENG) Emprenedoria i innovació. Conèixer i entendre la organització d'una empresa i les ciències que regeixen la seva activitat; tenir capacitat per entendre les normes laborals i les relacions entre la planificació, les estratègies industrials i comercials, la qualitat i el benefici.

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

CT7. Foreign language. Demonstrate knowledge of a foreign language, preferably English, at an oral and written level that is consistent with graduates' future needs.

CT4. (ENG) Teamwork. The ability to work as a member of an interdisciplinary team, as just another member or in a leadership role, who can contribute to developing projects pragmatically and with a sense of responsibility and make commitments that take into account the resources that are available.

CT2. SUSTAINABILITY AND SOCIAL COMMITMENT: Being aware of and understanding the complexity of the economic and social phenomena typical of a welfare society, and being able to relate social welfare to globalisation and sustainability and to use technique, technology, economics and sustainability in a balanced and compatible manner.

CT3. Teamwork. To be able to work as a member of a multidisciplinary team, either as a base member or undertaking managerial decisions aiming at developing projects from a practical and responsible standpoint, adopting commitments given the available resources

CT5. Efficient use of informacion resources. To manage data and technical and scientific information adquisition, organization, analysis and visualization and to provide a critical appraisal of the results of this management

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

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CONTENTS

title english

Description:

content english

Full-or-part-time: 150h

Guided activities: 30h

Self study : 120h

ACTIVITIES

name english

Full-or-part-time: 30h

Guided activities: 30h



name english

Full-or-part-time: 120h

Self study: 120h

GRADING SYSTEM

RESOURCES

Hyperlink:

- Normativa dels Estudis de Grau i Màster de la UPC, Curs 2022-2023. Resource
- Normativa del TFG de la FOOT. Resource