Course guides
370018 - MICRO - Microbiology

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: 2021  ECTS Credits: 6.0  Languages: Catalan, Spanish

LECTURER

Coordinating lecturer: Miquel Bellmunt, Nuria
Llorens I Fons, Marta

Others: Clot Silla, Eduardo

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
CE02. (ENG) The ability to determine the functions of systems in the human body. The ability to understand the principles and foundations of the biological processes involved in the normal functioning of the visual system. The ability to recognise, with macroscopic and microscopic methods, the morphology and structure of the tissues, organs and systems in the human body. The ability to understand and describe, macroscopically and microscopically, the structures that make up the visual system and related body parts. The ability to understand the structure of the cell, embryonic development and organogenesis. The ability to identify the development of the visual system. The ability to understand the microorganisms involved in visual system disorders. The ability to understand the properties and functions of the various parts that make up the visual system.
CE07. (ENG) The ability to understand and manage basic laboratory materials and techniques.

Generical:
CG8. (ENG) The ability to plan and carry out research projects that contribute to the production of knowledge in the field of optometry and to disseminate this scientific knowledge via the typical communication channels.
CG13. (ENG) The ability to make use of and understand methods for carrying out critical analyses and developing theories and to apply them to the field of optometry.

Transversal:
CT7. (ENG) Foreign language. Knowledge of a foreign language, preferably English, at an oral and written level that is consistent with graduates’ future needs.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

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STUDY LOAD

<table>
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<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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<td>Hours medium group</td>
<td>45,0</td>
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<tr>
<td>Hours small group</td>
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<td>Self study</td>
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Total learning time: 150 h

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<tr>
<th>Title</th>
<th>Description</th>
<th>Full-or-part-time</th>
<th>Practical classes</th>
<th>Laboratory classes</th>
<th>Self study</th>
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<tr>
<td></td>
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<td>10h</td>
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<td>4h</td>
<td>28h 30m</td>
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<td>4h</td>
<td>2h</td>
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<td>7h</td>
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**Full-or-part-time:** 13h 30m
Practical classes: 4h
Self study: 9h 30m

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**GRADING SYSTEM**

**BIBLIOGRAPHY**

**Basic:**
- *Diagnostico microbiológico de las infecciones oculares*.

**Complementary:**
- Archivos de la Sociedad Española de Oftalmología. Madrid : la Sociedad, 1971-.

**RESOURCES**

**Audiovisual material:**
- Nom recurs. Resource