Course guide
370019 - PERCEPVIS - Visual Perception

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: 2022 ECTS Credits: 6.0 Languages: Catalan

LECTURER

Coordinating lecturer: MERITXELL VILASECA, CATEDRÀTICA PERMANENT, https://futur.upc.edu/MeritxellVilasecaRicart
Others: Aurora Torrents, PROFESSORA TITULAR, https://futur.upc.edu/AuroraTorrentsGomez
Jaume Pujol, CATEDRÀTIC FUNCIONARI, https://futur.upc.edu/JaumePujolRamo

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Specific:
CE13. Understand the factors that limit retinal image quality. Demonstrate knowledge of the spatial and temporal aspects of vision. Carry out psychophysical tests to determine levels of visual perception. Demonstrate knowledge of the functioning of the retina as a receptor of radiant energy. Demonstrate knowledge of the basic models of vision of colour, shape and movement. Demonstrate knowledge of age-related changes in perceptual processes. Measure and interpret psychophysical data obtained from an assessment of visual perception.

Generical:
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.
CG12. (ENG) The ability to understand the general structure of optometry and its connection to other specific disciplines and other complementary ones.

Transversal:
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

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

2. Competence in carrying out instrumental tests for the evaluation of visual functions and eye health.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Self study</td>
<td>90,0</td>
<td>58.71</td>
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<tr>
<td>Hours small group</td>
<td>15,0</td>
<td>9.78</td>
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<tr>
<td>Hours medium group</td>
<td>45,0</td>
<td>29.35</td>
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<tr>
<td>Type</td>
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<tr>
<td>Guided activities</td>
<td>3.3</td>
<td>2.15</td>
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**Total learning time:** 153.3 h

**CONTENTS**

1. **title english**
   
   **Description:**
   content english
   
   **Full-or-part-time:** 5h
   Practical classes: 2h
   Self study : 3h

2. **content english**
   
   **Description:**
   content english
   
   **Related activities:**
   content english
   
   **Full-or-part-time:** 7h
   Practical classes: 3h
   Self study : 4h

3. **title english**
   
   **Description:**
   content english
   
   **Full-or-part-time:** 12h
   Practical classes: 5h
   Self study : 7h

4. **title english**
   
   **Description:**
   content english
   
   **Full-or-part-time:** 12h
   Practical classes: 5h
   Self study : 7h
<table>
<thead>
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<th>Title</th>
<th>Description</th>
<th>Full-or-part-time</th>
<th>Practical classes</th>
<th>Self study</th>
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<td>4h</td>
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<td>12h</td>
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**title english**

**Description:**
content english

**Full-or-part-time:** 7h
Practical classes: 3h
Self study : 4h

**title english**

**Description:**
content english

**Full-or-part-time:** 12h
Practical classes: 5h
Self study : 7h

**title english**

**Description:**
content english

**Full-or-part-time:** 3h
Practical classes: 1h
Self study : 2h

**ACTIVITIES**

**name english**

**Full-or-part-time:** 35h
Laboratory classes: 14h
Self study: 21h

**name english**

**Full-or-part-time:** 2h
Practical classes: 2h

**name english**

**Full-or-part-time:** 2h
Practical classes: 2h
**name english**

**Full-or-part-time:** 1h
Laboratory classes: 1h

**name english**

**Full-or-part-time:** 9h
Self study: 9h

**name english**

**Full-or-part-time:** 82h
Practical classes: 82h

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**GRADING SYSTEM**

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**BIBLIOGRAPHY**

**Basic:**

**Complementary:**