Course guide
370802 - OPTINF - (Ang) Optometria Infantil

Unit in charge: Terrassa School of Optics and Optometry
Teaching unit: 731 - OO - Department of Optics and Optometry.
Degree: MASTER'S DEGREE IN OPTOMETRY AND VISION SCIENCES (Syllabus 2022). (Compulsory subject).
Academic year: 2022 ECTS Credits: 3.5 Languages: Catalan, Spanish

LECTURER

Coordinating lecturer: Fransoy Bel, Marta
Argilés Sans, Marc

Others: Auge Serra, Montserrat
Alesón Carbonell, Alicia

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours medium group</td>
<td>28,0</td>
<td>32.00</td>
</tr>
<tr>
<td>Self study</td>
<td>59,5</td>
<td>68.00</td>
</tr>
</tbody>
</table>

Total learning time: 87.5 h

CONTENTS

Visual examination in the child population

Description:
1.- Assessment and differential diagnosis of alterations in visual-motor development
2.- Assessment and differential diagnosis of refractive error
3.- Assessment and differential diagnosis of binocular dysfunctions and ocular motility.

Full-or-part-time: 16h
Practical classes: 6h
Self study: 10h
### Management of paralytic and non-paralytic strabismus

**Description:**
1. Motor and sensory evaluation
2. Differential diagnosis
3. Strabismus management and treatment strategies

**Full-or-part-time:** 14h
Practical classes: 5h
Self study: 9h

### Vision and Learning

**Description:**
1. Visual evaluation and optometric differential diagnosis
2. Management strategies and optometric treatment of visual efficacy

**Full-or-part-time:** 15h
Practical classes: 6h
Self study: 9h

### Myopia control management

**Description:**
1. Assessment and differential diagnosis of myopic progression in schoolchildren
2. Myopic progression control management strategies in schoolchildren
3. Analysis and management of risk factors and prevention of myopic progression in schoolchildren.

**Full-or-part-time:** 9h
Practical classes: 3h
Self study: 6h

### Infant Visual Screening

**Description:**
1. Strategy and management of optometry test materials for child visual screening
2. Management and treatment of the results of a child visual screening

**Full-or-part-time:** 9h
Theory classes: 2h
Self study: 7h

### Visual assessment in special populations

**Description:**
1. Assessment, differential diagnosis and treatment in patients with Autism Spectrum Disorder
2. Assessment, differential diagnosis and treatment in patients with Down syndrome
3. Assessment, differential diagnosis and treatment in patients with Cerebral Palsy

**Full-or-part-time:** 5h
Practical classes: 2h
Self study: 3h
ACTIVITIES

Clinical Case Resolution

Full-or-part-time: 5h 30m
Self study: 5h 30m

Clinical Seminars

Description:
Students will present, defend and debate clinical cases conducted in clinical sessions. The results of the different tests that allow a differential diagnosis will be analyzed, as well as the most appropriate strategies and parameters for the follow-up of each case.

Full-or-part-time: 14h
Practical classes: 4h
Self study: 10h

GRADING SYSTEM

BIBLIOGRAPHY

Basic:
- Managing Myopia: One child at a time.