Course guides
370712 - CONTROL - Myopia Control and Orthokeratology

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 2012). (Optional subject).
Academic year: 2020 ECTS Credits: 3.0 Languages: Spanish

LECTURER

Coordinating lecturer: Pérez Corral, Juan Enrique
Pacheco Cutillas, Mireia (http://futur.upc.edu/MireiaPachecoCutillas)

Others:

PRIOR SKILLS

All students are Graduates in Optometry and, therefore, they have the knowledge of refractive error in general and myopia, in particular, and in contact lenses fitting attained during the degree courses.

DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Transversal:
1. ENTREPRENEURSHIP AND INNOVATION: Being aware of and understanding how companies are organised and the principles that govern their activity, and being able to understand employment regulations and the relationships between planning, industrial and commercial strategies, quality and profit.

2. 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.

3. FOREIGN LANGUAGE: Achieving a level of spoken and written proficiency in a foreign language, preferably English, that meets the needs of the profession and the labour market.

4. TEAMWORK: Being able to work in an interdisciplinary team, whether as a member or as a leader, with the aim of contributing to projects pragmatically and responsibly and making commitments in view of the resources that are available.

5. EFFECTIVE USE OF INFORMATION RESOURCES: Managing the acquisition, structuring, analysis and display of data and information in the chosen area of specialisation and critically assessing the results obtained.

TEACHING METHODOLOGY

MD1.- Master Classes
MD2.- Autonomous work with tutor support, when required, using ICT tools
MD3.- Clinical practices in the lab with orthokeratology lenses
MD4.- Discussion of Clinical Cases in Atenea
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 small group</td>
<td>15,9</td>
<td>21.20</td>
</tr>
<tr>
<td>Hours medium group</td>
<td>8,1</td>
<td>10.80</td>
</tr>
<tr>
<td>Self study</td>
<td>51,0</td>
<td>68.00</td>
</tr>
</tbody>
</table>

Total learning time: 75 h

CONTENTS

- title english
  
  Description:
  content english

  **Full-or-part-time:** 0h 20m
  Practical classes: 0h 20m

- title english
  
  Description:
  content english

  **Full-or-part-time:** 0h 30m
  Practical classes: 0h 30m

- title english
  
  Description:
  content english

  **Full-or-part-time:** 0h 30m
  Practical classes: 0h 30m

- title english
  
  Description:
  content english

  **Full-or-part-time:** 1h
  Practical classes: 1h
<table>
<thead>
<tr>
<th>Title English</th>
<th>Description</th>
<th>Full-or-part-time</th>
<th>Practical classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>An updated description of the existing theories on how and why the modification of corneal morphology occurs during treatment is made, from the point of view of the forces involved and the physiological changes that happen during orthokeratology.</td>
<td>1h</td>
<td>1h</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0h 30m</td>
<td>0h 30m</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1h</td>
<td>1h</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2h</td>
<td>1h</td>
</tr>
</tbody>
</table>
GRADING SYSTEM

EV1: Written test on theoretical and practical knowledge 25%
EV2: Realization and exhibition of an individual work 25%
EV3: Clinical practice: 25% (in case the clinical practice was not possible, it will be substituted by suggested activities in Atenea related with the subject)
EV4: Participation in the suggested topics in the Forum of Atenea 25%

BIBLIOGRAPHY

Basic: