Course guides
370701 - CLÍNICA - Specialty Clinics

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). (Compulsory subject).
Academic year: 2020
ECTS Credits: 9.0
Languages: English, Spanish

LECTURER

Coordinating lecturer: MIREIA PACHECO CUTILLAS (http://futur.upc.edu/MireiaPachecoCutillas)
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MIREIA PACHECO CUTILLAS
JUAN ENRIQUE PÉREZ CORRAL
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DEGREE COMPETENCES TO WHICH THE SUBJECT CONTRIBUTES

Transversal:
1. 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.

TEACHING METHODOLOGY

PERSONAL WORK: Students will be provided with the resources and guidance necessary to achieve some basic theoretical content to face clinical practice activities. This learning will be guided through the intranet and tutorials will be encouraged to guide and resolve questions.
CLINICAL SEMINARS: Seminars of real cases will be held, through the presentation of which, the debate and critical spirit of the students.
CLINICAL SESSIONS: There will be a weekly practice (4h) session in the Clinics (Vision University Center) where students will attend patients, under supervision, in each of the areas,

LEARNING OBJECTIVES OF THE SUBJECT

To improve the professional capacities of students for visual care in a clinical environment.

KNOWLEDGE:
Basic and specific techniques and the analysis of results which will lead to decision-making in clinical optometry.
Identification, management and solution of the main optometric problems.
Identification and management of the reasons for referral to another visual health practitioner.

ABILITIES:
To gain experience in clinical interview techniques prior to the optometric examination of the specific populations of the Specialized Clinic.
To learn to decide what tests are necessary in an optometric review of the specific populations of the Specialized Clinic.
To know and acquire the ability to perform the appropriate tests in the specific populations served.
To know how to determine and explain the optometric diagnosis, as well as implement the treatment options of the specific populations served.
To know how to detect, manage and prepare a professional referral report to another professional in the specific populations served.
To correctly apply the ethical premises related to the practice of optometry in an environment of real concurrence of patients.
STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours medium group</td>
<td>24,0</td>
<td>11.11</td>
</tr>
<tr>
<td>Hours small group</td>
<td>48,0</td>
<td>22.22</td>
</tr>
<tr>
<td>Self study</td>
<td>144,0</td>
<td>66.67</td>
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</tbody>
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Total learning time: 216 h

CONTENTS

(ENG) -Low vision

Description:
Introduction to low vision offering enough tools for the treatment and/or the referral of cases to other practitioners with expertise on the subject. Attention and vision care specific to severe visual deficiencies from the optometric, ophthalmic and psychological point of view. Introduction to the procedures, treatment and adaptation of special vision aids for the visually impaired.

Related activities:
ACTIVITY 2: Clinical sessions in Low Vision and Preschool children
COMPULSORY EXERCISE 1: Low Vision: Review of knowledge
COMPULSORY EXERCISE 5: Final exam (includes all subjects)

Full-or-part-time: 72h
Practical classes: 9h
Laboratory classes: 18h
Self study: 45h

(ENG) -Contact Lenses - Clinical Management

Description:
Reconèixer totes les alteracions estructurals i funcionals que es produeixen al segment anterior de l'ull per a l’ús de lents de contacte. El diagnòstic i la profilaxi es realitzen en tot procés de revisió ocular i visual d'usuari de lents de contacte, mitjançant estratègies clíniques planificades. S'estudiaran l'etiologia, els signes i símptomes, el diagnòstic, el diagnòstic diferencial i la profilaxi en cada una de les alteracions oculars per lents RPG e hidrogel.

Related activities:
ACTIVITY 1: Resolution of clinical cases and active participation on the intranet on proposed contact lens cases
COMPULSORY EXERCISE 3: Case review and presentation of the CL cases seen in the Clinic
COMPULSORY EXERCISE 5: Final exam (includes all subjects).

Full-or-part-time: 36h
Practical classes: 5h
Laboratory classes: 8h
Self study: 23h
Children’s vision

Description:
In this section Visual care for preschool and school-children is presented and complemented with seminars about refractive and binocular vision problems for its diagnosis and treatment common in this population.

Related activities:
ACTIVITY 2: Clinical sessions in Low Vision and Preschool children
COMPULSORY EXERCISE 2: Pediatric: Exercises on clinical cases in preschool children
COMPULSORY EXERCISE 5: Final exam (includes all subjects)

Full-or-part-time: 89h 20m
Practical classes: 9h 40m
Laboratory classes: 34h 40m
Self study : 45h

Special Techniques

Description:
This content works on:
To know the techniques and different tools to diagnose different ophthalmological pathologies.
To know the indications of the tests based on the patient’s medical histor
To know and understand the interpretation of diagnostic tests.

Related activities:
COMPULSORY EXERCISE 4: Resolution of clinical cases in Special Techniques
COMPULSORY EXERCISE 5: Final exam (includes all subjects)

Full-or-part-time: 16h
Practical classes: 6h
Self study : 10h

GRADING SYSTEM
As a consequence of the Covid19 health crisis, changes may occur in academic activity as well as in the assessment planned.
Attendance at seminars and practical sessions is compulsory. The student can only pass the course if s/he attends 80% of the seminars and 90% of the clinics/practicals.
The grade will made of the activities and various assigments, with the weight detailed below:
ACTIVITY 1: Resolution of clinical cases and active participation on the intranet on proposed contact lens cases
ACTIVITY 2: Clinical sessions in Low Vision and Preschool children 25%
COMPULSORY EXERCISE 1: Low Vision: Review of knowledge. 5%
COMPULSORY EXERCISE 2: Pediatric: Exercises on clinical cases in preschool children 7,5%
COMPULSORY EXERCISE 3: Case review and presentation of the CL cases seen in the Clinic 7,5%
COMPULSORY EXERCISE 4: Resolution of clinical cases in Special Techniques 7,5%
COMPULSORY EXERCISE 5: Final exam (includes all subjects) 40%

EXAMINATION RULES.
At a general level, the regulations that will be applied will be those of the UPC academic regulations. The particular aspects related to formats and delivery deadlines that do not appear in this guide will be made public at the beginning of the year through the intranet of the course.
BIBLIOGRAPHY

Basic:

Complementary: