370542 - DEFVSIE - Severe Visual Impairment: Specific Instrumentation and Its Clinical Application

Coordinating unit: 370 - FOOT - Terrassa School of Optics and Optometry
Teaching unit: 731 - OO - Department of Optics and Optometry
Academic year: 2018
Degree: BACHELOR'S DEGREE IN OPTICS AND OPTOMETRY (Syllabus 2009). (Teaching unit Optional)
ECTS credits: 3
Teaching languages: Catalan, Spanish

Teaching staff
Coordinator: Sánchez Herrero, Eulalia (http://futur.upc.edu/EulaliaSanchezHerrero)
Others: Sánchez Herrero, Eulalia (http://futur.upc.edu/EulaliaSanchezHerrero)
Tomás Corominas, Núria (http://futur.upc.edu/NuriaTomasCorominas)

Degree competences to which the subject contributes

Specific:
1.1.2. Knowing how to do clinical examinations and interpret the results
2.1.6. Prioritize treatment options.
3c.1.4. Identify the design and features of different specific aid for low vision.
3c.2.4. Determine, according to the visual limitations, optical aids for each case.
3c.0.4. To understand the optical characteristics and the use of optical and no optical aids in low vision.
2.3.5. Interpret the registers obtained with different techniques. Determine the status of ocular structures.
2. Examine the visual system to value his state and functionality
2.0.1. Make a proper anamnesis and initial analysis of the state of the patient
2.2.4. To interpret the results and determine if necessary a treatment.
2.2.1. Applying an specific anamnesis to extract relevant information.
3a.4.3. Transmit the user the necessary information for make a good use of the compensator system (prescription glasses, protective glasses or optical aids)
3c.2.2. Select the appropriate optical aid according to the patient's visual limitations.
3c.3.4. Value and report on the possibilities and limitations of specific visual aids for low vision.
1.0.4. Managing patient care

General:
T4.2.2. Value and incorporate technological necessary improvements for the proper development of the profession
T1.1.1. - Know the influence of the visual health in the education and the global well-being (and the development)
- Know the influence of the visual health for the development
- Know the fundamental values of the bioethics
- Know the model of sustainable development
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- Know the environmental and social impacts of the technology
  T2.1.2. Develop empathy with people

  T3.0.1. Being able to participate in multidisciplinary working groups, multicultural and multilingual

### Learning objectives of the subject

### Study load

<table>
<thead>
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<th>Total learning time: 75h</th>
<th>Hours medium group:</th>
<th>21h</th>
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<td>Hours small group:</td>
<td>9h</td>
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<td>Self study:</td>
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<td>Title English</td>
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|              | 4h           | Theory classes: 1h  
Self study: 3h |
|              | 9h 40m       | Theory classes: 1h  
Practical classes: 2h  
Self study: 6h 40m |
|              | 34h 30m      | Theory classes: 10h  
Practical classes: 4h  
Self study: 20h 30m |
|              | 11h 50m      | Theory classes: 1h 30m  
Practical classes: 2h  
Self study: 8h 20m |
|              | 12h          | Theory classes: 3h  
Self study: 9h |
Bibliography

Basic: