

26026 - Orthotic Devices in Occupational Therapy

Syllabus Information

Academic year: 2024/25

Subject: 26026 - Orthotic Devices in Occupational Therapy

Faculty / School: 127 - Facultad de Ciencias de la Salud

Degree: 276 - Degree in Occupational Therapy

ECTS: 6.0

Year: 4

Semester: Annual

Subject type: Compulsory

Module:

1. General information

This subject is designed to provide students with the necessary theoretical and practical knowledge on the use and application of orthoses and prostheses in the field of Occupational Therapy. The general objective of the subject is that students are able to identify and define the most commonly used orthoses and prostheses, as well as to understand and apply the theoretical and methodological foundations of the different orthoprosthetic treatments in Occupational Therapy.

2. Learning results

1. Know and understand the fundamental concepts and terminology related to orthoprosthetics, as well as know how to identify the different types of orthoprosthetic devices and their indications.
2. Perform accurate assessments and properly interpret the results to determine the specific orthoprosthetic needs of people with different conditions and plan the corresponding interventions from Occupational Therapy.
3. Design and select appropriate orthoprosthetic devices for people with different types of disabilities and pathologies, as well as adjust and adapt them to ensure an adequate and comfortable fit for each user.
4. Teach users and their caregivers about the proper use, maintenance, and care of orthoprosthetic devices, as well as provide training and follow-up to maximize the effective and safe use of orthoprosthetic devices.
5. Collaborate with other healthcare professionals to ensure an interdisciplinary approach.
6. Know how to stay up-to-date with technological advances and new research in the field of orthoprosthetics.
7. Critically evaluate new orthoprosthetic techniques and devices for implementation in clinical practice.

3. Syllabus

BLOCK I. GENERAL

History. Role of the occupational therapist in orthoprosthetic intervention. Classification and functionality of the orthoprosthesis. Techniques used in the elaboration of orthoses and prostheses.

BLOCK II. UPPER EXTREMITY ORTHOSES, PROSTHESES, AND OTHER ASSISTIVE TECHNOLOGY DEVICES

Orthotic treatments in pathologies of the upper extremity. Levels of amputation and prosthetic fitting. Other assistive technology devices.

BLOCK III. LOWER EXTREMITY ORTHOSES AND PROSTHESES, AND OTHER ASSISTIVE TECHNOLOGY DEVICES

Orthotic treatments in pathologies of the lower extremity. Levels of amputation and prosthetic fitting. Other assistive technology devices.

BLOCK IV. THORAX AND SPINE ORTHOSES

Orthotic treatments in pathologies of the thorax and spine.

4. Academic activities

1. Theoretical classroom classes (48 hours)

Explanation of theoretical content, oriented towards the acquisition of competencies and learning results. Different bibliographic and audiovisual supports will be used as support.

2. Practical face-to-face classes (12 hours)

Practical application of the knowledge acquired in the theoretical classes, based on practical assumptions and problem-solving.

3. Self-study (86 hours)

4. Evaluation (4 hours)

5. Assessment system

In order to pass the subject, each of the following blocks must be passed (with a grade ≥ 5 points):

1. Theoretical part (75% of the final grade)

It will be assessed by:

a) Exams (60% of the final grade):

- Midterm eliminatory exams: There will be two, based on the contents covered at the end of each of the theoretical modules. The grade of these exams will be compensable for a score of 4.5 (included).
- First official call:
 - It will include the content of the subject not passed in the midterm eliminatory exams;
 - Those students who wish to obtain a higher grade must take the theoretical content of the whole subject. To be eligible, students must communicate their interest at least one week in advance.
- Second official call: It will cover the theoretical content of the entire subject. Grades of the midterm eliminatory exam will not be kept.

In any case, the exams will consist of 20 multiple-choice questions, with three answer alternatives, to be completed in 1h30min. The formula will be applied in order to correct random answers:

$(\text{Right answers} - \text{Errors} / (\text{number of answer alternatives} - 1)) / (\text{Total no. of questions}) * 10$

That is: each success = 0.5 and each error = -0.25.

b) Elaboration of content integrative works (15% of the final grade):

 The rules will be published in Moodle.

2. Practical part (25% of the final grade):

Attendance of the face-to-face practices is mandatory, only the justified absence from a practical class is allowed.

Active and effective participation will be positively valued, and unjustified delays will be negatively valued.

The grade of the practical part will be kept until the second official call of the same academic year (included), i.e., it will not be kept for the second or successive tuitions.

A practical exam must be taken at the official call by those persons who:

- Opted for the global evaluation.
- Accumulate more than one absence.
- Have not passed the minimum grade in more than one practical class.

6. Sustainable Development Goals

3 - Good Health & Well-Being

8 - Decent Work and Economic Growth

10 - Reduction of Inequalities