

Academic Year/course: 2021/22

## 25659 - Physiotherapy Methods in Cardiorespiratoric Disorders

### Syllabus Information

**Academic Year:** 2021/22

**Subject:** 25659 - Physiotherapy Methods in Cardiorespiratoric Disorders

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

**Degree:** 605 - Degree in Physiotherapy

**ECTS:** 6.0

**Year:** 3

**Semester:** First semester

**Subject Type:** Compulsory

**Module:**

### 1. General information

### 2. Learning goals

### 3. Assessment (1st and 2nd call)

### 4. Methodology, learning tasks, syllabus and resources

#### 4.1. Methodological overview

The learning process that has been designed for this subject is based on the following:

A combination of theoretical classes in a large group, practical classes in small groups, as well as the realization of a team work.

Particular importance will be given to participation and personal motivation.

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials.

Further information regarding the course will be provided on the first day of class.

#### 4.2. Learning tasks

The program offered to the student to help him achieve the expected results includes the following activities:

**Theoretical classes** in general group. 10 hours. Explanation and orientation for the personal study of the different contents of the subject, orienting it towards the acquisition of skills and learning outcomes. All the resources of channeling, direction and interaction and supports will be used through the different bibliographic and audiovisual supports.

**Face-to-face practical classes.** 50 hours. Teaching methodology: Seminars, laboratory practices, evaluation.

Acquired competences: Professionals, attitudinal. Training on practical assumptions and problem solving will be carried out individually and as a team, applying the theoretical bases of the subject and the exercise of communication.

Presentation of a **group work**. It aims to stimulate initiative and personal creativity, the management of documentary sources, the structuring of a logical discourse and the search and achievement of the conclusive synthesis (all of them

essential requirements for the task researcher). The use of Vancouver regulations for bio-medical sciences is recommended for both the preparation of the text as for the presentation.

**Personal study.** From the rest of the activities indicated and as learning results, the student must take responsibility in the creation of structured work schedules and programs in the context of time spent on other subjects. It should represent the step from motivation, fostered with the learning activities described above, to autonomous exercise of the will.

### 4.3. Syllabus

Block 1. RESPIRATORY PHYSIOTHERAPY METHODS

- Methods of intervention in Respiratory Physiotherapy. Passive and active respiratory physiotherapy techniques

Block 2. CARDIOCIRCULATORY PHYSIOTHERAPY METHODS

- Methods of intervention in physiotherapy in vascular diseases and their sequelae. Treatment of the amputee of vascular origin.

- Methods of intervention in Physiotherapy in edema of lymphatic origin.

- Methods of intervention in cardiac physiotherapy. Cardiac rehabilitation program

### 4.4. Course planning and calendar

Calendar of face-to-face sessions and presentation of work Evaluation activities

To pass this subject, the student must demonstrate that he has achieved the learning results through the following evaluation activities.

1- Continuous evaluation of the practices:

Compulsory attendance and active and efficient participation in the theoretical-practical seminars, evaluated with a system mandatory to access the official final exam: the student must demonstrate that she knows how to apply the theoretical bases of the subject in the resolution of practical questions or assumptions, with a precise, clear and argued language. Oral practical exam.

Passing is a prerequisite for taking the final theory exam.

2- Written exams:

Optional: Eliminary subject exam at the end of the subject.

Final theory exam of the entire subject in the official call.

It will be allowed if someone expressly requests it to take the oral exam.

3. Presentation of a group work. The student must demonstrate that she knows how to apply the theoretical bases of the subject in the resolution of practical questions or assumptions, with a precise, clear and argued language.

Passing is a prerequisite for taking the final theory exam.

Theoretical classes in large groups: 1h / week throughout the semester. They will be developed in the classroom.

Practical classes: 4h / week during the entire four-month period of teaching the subject in the classroom practices and classroom depending on the didactic needs. The practical classes will be held in 4 groups

Elaboration of a group work, developing a part of the subject chosen by the student.

The planned training activities will be carried out in person in the classrooms and rooms designated by the Center. If the conditions change, and if instructions are received from the academic authorities, they will be modified and adapt the activities to be carried out in a non-face-to-face mode using the online resources of the University of Zaragoza, which will be notified in advance.

### 4.5. Bibliography and recommended resources

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=25659>