

## 25652 - Assessment and Diagnosis in Physiotherapy II

### Syllabus Information

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**Academic Year:** 2020/21

**Subject:** 25652 - Assessment and Diagnosis in Physiotherapy II

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

**Degree:** 605 - Degree in Physiotherapy

**ECTS:** 9.0

**Year:** 2

**Semester:** Annual

**Subject Type:** Compulsory

**Module:** ---

## 1.General information

### 1.1.Aims of the course

The general objective of the subject is to acquire knowledge, skills and aptitudes that make possible the application of basic methods and techniques of physiotherapeutic assessment.

### 1.2.Context and importance of this course in the degree

It is a specific training subject that focuses on the process of physiotherapy assessment, assessing the functional state of the person, considering their physical, psychological and social aspects.

Assessment is the first phase of the Physiotherapy Intervention process. During the assessment process, the necessary data is gathered and recorded to obtain clear and objective information on the health status of a person, in order to understand the physical causes of the user's problems and thus establish a diagnosis in physiotherapy that will establish the objectives and treatment guidelines.

### 1.3.Recommendations to take this course

It is considered of interest to have acquired previous theoretical and practical knowledge on basic training subjects, especially anatomy, physiology and biomechanics. In addition, this subject is a continuation of the one taught in the first year of the degree called DIAGNOSTIC ASSESSMENT IN PHYSIOTHERAPY I, so it is convenient to have passed said subject.

## 2.Learning goals

### 2.1.Competences

Upon passing the subject, the student will be more competent to ...

a) Specific Knowledge or Discipline Competencies (Knowledge): The student will be able to demonstrate knowledge and understanding in:

1- The assessment of pain and sensitivity.

2- The basic evaluation in the neurological alterations of the child and the adult, in the traumatological and orthopedic alterations, and in the pathology of the internal organs.

3-The scientific evaluation of the usefulness and efficacy of the theoretical and practical bases of functional assessments, tests and verifications.

4- The management of complementary clinical documentation.

5- The diagnosis of physiotherapy understood as the set of evaluations.

6- The Physiotherapy Reports.

b) Specific Professional Competences (Know How): The student will be able to demonstrate that he knows how to do the following:

1- Collect, analyze and critically interpret relevant information related to user needs.

2- Plan, implement and adjust the relevant assessment in physiotherapy in an objective / goal-oriented manner.

3. Make a diagnosis of physiotherapy based on the analysis and critical interpretation of the information collected and related to the assessment of Physiotherapy and with the complementary information.

4. Prepare basic Physiotherapy Reports.

c) Attitudinal specific skills (Know how to be): The student will be able to:

1. Maintain an attitude of learning and improvement.
2. Adjusting to the limits of their professional competence in the assessment process.
3. Show discretion, using appropriately the information available, preserving the dignity of the patient.
4. Work responsibly and maintain a critical and scientific attitude when interpreting information.
5. Collaborate and cooperate with other professionals enriching each other. This includes: solving most situations by establishing direct and assertive communication seeking consensus; assist other health professionals in professional practice; Know the interprofessional limits and use the appropriate reference procedures.
6. Show their orientation to the patient / user and show interest in their well-being, attending to their particularities in relation to cultural and / or social traits.

## 2.2.Learning goals

The student, to pass this subject, must demonstrate the following results ...

Knows and understands the theoretical and practical bases of functional, neurological, orthopedic and trauma evaluations, tests and verifications.

Collect, analyze and critically interpret relevant information related to user needs

Plan, implement and adjust the relevant assessment in Physiotherapy in an objective / goal-oriented manner.

Make a Physiotherapy diagnosis based on the analysis and critical interpretation of the information collected and related to the Physiotherapy assessment and with the additional information.

## 2.3.Importance of learning goals

They train the Physiotherapy professional to optimally carry out the Physiotherapy Assessment as an initial phase of the physiotherapy intervention process.

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

### 3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

**The evaluation tests will be carried out in person if the situation allows it. In case the conditions change, and if instructions are received from the academic authorities, the tests will 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.**

To pass this subject, the student can choose one of the two modalities that are detailed below:

A) The student must demonstrate that they have achieved the expected learning results through the following assessment activities

1. Active participation: by attending practical classes and seminars. Student participation and involvement will be evaluated. The percentage of the final evaluation will be 20%. Assessment criteria: to pass this assessment, as a prerequisite it will be necessary to attend 80% of the practical sessions and seminars.

2. Practical test: it will be evaluated by means of two tests by means of the practical application of the theoretical and practical knowledge acquired. The percentage of the final evaluation will be 50% of the total grade. To pass these evaluations it will be necessary to obtain a minimum score of 6 out of 10 in each of the tests.

Assessment criteria: to pass this assessment it will be necessary to demonstrate practical ability and skill and the application of theoretical concepts in the assessment procedures carried out in the subject.

3. Practice notebook: the student will collect in writing what has been learned in each practical session. The percentage on the final evaluation will be 10%.

Evaluation criteria: the ability to collect, record and analyze information in the evaluation process will be evaluated, as well as creativity and critical analysis.

4. Presentation of work on research and scientific evidence in Assessment and diagnosis. The percentage on the final evaluation will be 10%.

5. Presentation of work on Clinical Cases: The student must prepare and present a work on clinical cases. The percentage on the final evaluation will be 10%.

Evaluation criteria: the ability to apply the different phases of the assessment process in Physiotherapy will be evaluated. To pass the subject, it is necessary to pass each of these assessment activities.

In the event that the student does not pass any of these evaluation criteria, he / she must take the theoretical-practical exam corresponding to the official call in June or September (having passed any of the evaluation activities in the presentation format A does not exempt the student from taking the of the theoretical / practical exam).

It will be necessary to have passed the theoretical exam to be able to take the practical test. The student takes the theoretical-practical exam corresponding to the official call for June or September.

Grading system The grading system according to the regulations of the University of Zaragoza is applied:

0.0 - 4.9 Suspense

5.0 - 5.9 Passed

6.0- 6.9 Good

7.0 - 8.9 Notable

9.0 - 9.4 Outstanding

9.5 - 10 Matriculation of Honor

B) Theoretical and practical exam in the official call for June. The student will not be able to take the practical exam if he has not previously passed the theoretical exam.

## 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:

The combination of theoretical classes, practical classes in small groups, individual and group work and special importance of personal study.

### 4.2. Learning tasks

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

Theoretical classes: 25 hours. (Learning outcome 1)

Explanation and orientation for the personal study of the different contents of the subject, directing it towards the acquisition of specific competences of the subject and the indicated learning results.

Laboratory practices: 45 hours. (Learning result 2, 3, 4)

Training in palpatory sensitivity. Training in skills and abilities in the assessment of different tissues by anatomical regions

Resolution of cases / problems and works: 35 hours (Learning result 4 and 5). Description and training of the functional assessment process in Physiotherapy through the different tests and verifications, to determine the functional capabilities of the individual. Learning, through practical assumptions, of the application of the Physiotherapy assessment process individually, especially, the registration of data in the Physiotherapy medical record. It aims to stimulate initiative and personal creativity, developing the capacity for analysis, synthesis, organization and planning in the collection and recording of information, as well as the management of documentary sources.

Non-contact activities: (Learning results 1,2,3,4 and 5). The student must take responsibility in the personal study of the theoretical and practical contents developed in the subject, as well as the preparation of works, search for documentation and all those non-face-to-face activities that guide them towards acquiring the skills of the subject.

Assessment activities (3 hours) Carrying out practical tests of the subject and exposition and defense of the works.

### 4.3. Syllabus

Physiotherapist ergonomics in the Physiotherapy Assessment process.

Palpatory sensitivity. Tissue discrimination. Identification and assessment of structures.

Analytical and global osteoarticular examination of the lower limb and pelvic girdle. Anatomical relationships. Involvement in dysfunction.

Periarticular soft tissue examination of lower limb and pelvic girdle. Palpation and orthopedic tests. Involvement in dysfunction. Muscular assessment of each segment globally and analytically of the lower limb and pelvic girdle. Anatomical relationships. Trigger points. Involvement in dysfunction.

Analytical and global osteoarticular examination of the upper limb and shoulder girdle. Anatomical relationships. Involvement in dysfunction. Periarticular soft tissue exploration of upper limb and shoulder girdle. Palpation and orthopedic tests. Involvement in dysfunction.

Muscular assessment of each segment globally and analytically of the upper limb and shoulder girdle. Anatomical relationships. Trigger points. Involvement in dysfunction. Assessment of the patient's functional state, considering the physical, psychological and social aspects.

Test and functional assessment scales.

Discrimination and assessment of pain according to the affected tissue.

Assessment and pain measurement scales.

Introduction to fascial assessment.

Introduction to cranial assessment.

Introduction to visceral assessment.

Diagnosis in Physiotherapy through the clinical history.

### 4.4. Course planning and calendar

Theoretical classes in 1 group: 2h / week in 1st semester (25 hours).

Laboratory practices in 4 groups: 2h / week per year (45 hours). Room 3 (possible modifications depending on the organization of the center)

GROUP 1: Tuesday, from 11 a.m. to 1 p.m.

GROUP 2: Tuesday, from 1 to 3 pm

GROUP 3: Thursday, from 11 a.m. to 1 p.m.

GROUP 4: Thursday, from 1 to 3 pm

Resolution of cases and problems: (15 hours). Dates will be published well in advance.

Works: (20h) They will be exposed in small groups during the course.

**The planned training activities will be carried out in person in the classrooms and rooms designated by the Center. In case the conditions change, and if instructions are received from the academic authorities, the activities will be modified and adapted 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**

The bibliography may be consulted on page.

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=25615&Identificador=1579>