

Academic Year/course: 2021/22

25652 - Assessment and Diagnosis in Physiotherapy II

Syllabus Information

Academic Year: 2021/22

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 subject and its expected results respond to the following approaches and objectives:

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

The specific objectives of the course are:

- Know and know how to apply the assessment techniques in physiotherapy of the different body regions.
- Know how to assess and identify the existence of contraindications for the evaluation in physiotherapy.
- Know how to perform each of the parts of the evaluation in physiotherapy and obtain relevant information to perform the physiotherapy diagnosis.
- Know how to perform a differential diagnosis in physiotherapy.
- Know how to interpret test results based on their diagnostic validity.

These approaches and objectives are aligned with the following Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda, (<https://www.un.org/sustainabledevelopment/es/>), in such a way that the acquisition of the results learning of the subject provides training and competence to contribute to some extent to its achievement:

- Objective 3: Health and well-being.
- Objective 4: Quality education.
- Objective 5: Gender equality.
- Goal 8: Decent work and economic growth.
- Goal 11: Sustainable cities and communities.

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 of changing the conditions, 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) Continuous Evaluation T

he student must demonstrate that they have achieved the expected learning outcomes through the following assessment activities

1. Evaluation of theoretical contents (50%): by carrying out 5 multiple choice written tests to eliminate matter. The tests will last 30 minutes, with 20 multiple choice questions with 4 answer options and only 1 correct; Hit: 0.5 points; White: 0 points; Failure: -0.15 points).

2. Evaluation of practical contents (40%): by carrying out 5 practical tests of practical application of the theoretical and practical knowledge acquired.

3. Presentation of group work on research and scientific evidence in Assessment and Diagnosis (10%).

In the event that the student does not pass any of the partial tests, both for the theoretical and practical contents, they must take that part in the corresponding theoretical or practical exam of the official call in June or September.

It will be necessary to have passed each of the tests individually, both theoretical and practical, to pass the subject. Likewise, it will be necessary to have approved the group work to pass the subject.

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

0.0 - 4.9 Fail

5.0 - 5.9 Pass

6.0- 6.9 Good

7.0 - 8.9 Notable

9.0 - 9.4 Outstanding

9.5 - 10 Honor Distinction

B) Final evaluation Theoretical and practical exam in the official June call. Individual passing of each of the exams (theoretical and practical) will be necessary to pass the subject.

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 methodology followed in this subject is aimed at achieving the learning objectives.

- For the theoretical classes, the methodology of master class and flipped classroom will be used.
- For the laboratory practices simulation, role-playing and supervised practices will be used, mainly.
- The seminars will mainly use the ABP methodology.

Active participation by students is expected throughout the academic year. Class materials will be available via Moodle. This includes a repository of notes used in class, the subject syllabus, as well as other specific learning materials used in the subject, including a discussion forum. More detailed information 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: 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, type I: 50 hours. (Learning result 2, 3, 4)

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

Laboratory practices, type I: 5 hours. (Learning result 2, 3, 4)

Resolution of cases / problems: 10 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 (~~8 hours~~) Carrying out practical tests of the subject and exposition and defense of the works.

4.3. Syllabus

Syllabus

Theoretical classes

Topic 1. General principles of evaluation and diagnosis in Physiotherapy I

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Topic 2. General principles of evaluation and diagnosis in Physiotherapy II

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Topic 3. Ankle and foot evaluation

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Topic 4. Knee and hip evaluation

-
Topic 5. Evaluation of the lumbo-pelvic region

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Topic 6. Evaluation of the pelvis and lumbar spine II

-
Topic 7. Evaluation of the thoracic spine and ribs

-
Topic 8. Hand and wrist evaluation

-
Topic 9. Evaluation of elbow and forearm

-
Topic 10. Evaluation of shoulder and shoulder girdle

-
Topic 11. Evaluation of the cervical region I

-
Topic 12. Evaluation of the cervical region II and TMJ

-
Topic 13. Visceral and cranial evaluation

Laboratory practices

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Practice 1. Foot and ankle evaluation I

-
Practice 2. Foot and ankle evaluation II

-
Practice 3. Foot and ankle evaluation III

-
Practice 4. Knee evaluation I

-
Practice 5. Knee evaluation II

-
Practice 6. Hip evaluation I

-
Practice 7. Hip evaluation II

-
Practice 8. Pelvis and lumbar spine evaluation I

-
Practice 9: Evaluation of the pelvis and lumbar spine II

-
Practice 10: Evaluation of the pelvis and lumbar spine III

-
Practice 11. Evaluation of the thoracic spine and ribs I

-
Practice 12. Evaluation of the thoracic spine and ribs II

-
Practice 13. Hand and wrist evaluation I

-

Practice 14. Hand and wrist evaluation II

-

Practice 15. Elbow and forearm evaluation I

-

Practice 16. Elbow and forearm evaluation II

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Practice 17. Shoulder and shoulder girdle evaluation I

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Practice 18. Shoulder and shoulder girdle evaluation II

-

Practice 19. Evaluation of shoulder and shoulder girdle III

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Practice 20. Cervical spine evaluation I

-

Practice 21. Cervical spine evaluation II

-

Practice 22. Evaluation of cervical spine III

-

Practice 23. IV cervical spine evaluation

-

Practice 24. ATM Evaluation

-

Practice 25. Visceral evaluation

Laboratory practices 2 (large group)

- Practice 1. Neurological evaluation
- Practice 2. Ultrasound evaluation I
- Practice 3. Ultrasound evaluation II

Troubleshooting and cases

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Seminar 1. Clinical reasoning in the lower quadrant I

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Seminar 2. Clinical reasoning in the lower quadrant II

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Seminar 3. Clinical reasoning in the upper quadrant I

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Seminar 4. Clinical reasoning in the upper quadrant II

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Seminar 5. Ultrasound evaluation

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

Face-to-face activities will rely on indications of the Universidad de Zaragoza.

Resolution of cases and problems: Dates will be published well in advance.

Works: They will be exposed in small groups **at the end of 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=25652>