

Academic Year/course: 2021/22

25645 - General Pathology in Physiotherapy

Syllabus Information

Academic Year: 2021/22

Subject: 25645 - General Pathology in Physiotherapy

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

Degree: 605 - Degree in Physiotherapy

ECTS: 6.0

Year: 1

Semester: Second semester

Subject Type: Basic Education

Module:

1. General information

1.1. Aims of the course

The general objective of this course is that the student, from the knowledge of its contents, is able to explain the etiological agents, physiopathology and semiology of the main pathological entities, performing an initial functional exploration, as well as justifying the application of all this in the resolution of practical cases.

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/>), so that the acquisition of the learning outcomes of the subject provides training and competence to contribute to some extent to their achievement.

1.2. Context and importance of this course in the degree

This course is included in the disciplinary module: Medical-Surgical Conditions. Its purpose is to introduce students to the pathological conditions suffered by the population that they will have to treat from the field of Physiotherapy.

1.3. Recommendations to take this course

Given the great theoretical content on the origin of the disease, its clinical expression and possible developments, personal study is recommended from the beginning of the course as an indispensable means of achieving the expected learning results and the progressive acquisition of skills.

2. Learning goals

2.1. Competences

Upon successful completion of the course, the student will be able to:

Generals:

To know and understand the morphology, physiology, pathology and behaviour of people, both healthy and sick, in the natural and social environment.

To know how to work in professional teams as a basic unit in which professionals and other personnel in care organisations are structured in a unified and interdisciplinary way.

To understand the importance of updating the knowledge, skills, abilities and attitudes that make up the professional competences of the Physiotherapist.

To communicate effectively and clearly, both orally and in writing, with users of the health system as well as with other professionals.

Specifics:

Recognise life-threatening situations and know how to execute basic and advanced support manoeuvres.

To know the physiopathology of the diseases, identifying the manifestations that appear throughout the process, as well as

the medical-surgical treatments, fundamentally in their physiotherapeutic and orthopaedic aspects.

To understand the general theory of functioning, disability and health and its international classification, as well as the models of intervention in physiotherapy and its care practice.

Transversals:

Apply critical thinking.

Perform analysis and synthesis.

Work on the basis of quality criteria.

Use computer resources and new technologies appropriately.

Develop information management skills.

Capacity for criticism and self-criticism.

2.2. Learning goals

At the end of the study of this subject, the student must demonstrate that:

1. He/she knows the general concepts related to health, illness and functioning.
2. Is able to identify the main etiological agents involved in the genesis of diseases.
3. Detect alarm signals and relate them to the underlying physiopathological phenomenon.
4. Describes the characteristics and applications of disability assessment, applies the most common scales and identifies their differences.
5. Recognises life-threatening situations. Performs basic and advanced support manoeuvres

2.3. Importance of learning goals

They will allow the student to be able to begin to plan his/her professional career in situations of physical, mental or sensory illness/disability or marginalisation throughout the person's life cycle.

3. Assessment (1st and 2nd call)

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

The learner must demonstrate that he/she has achieved the intended learning outcomes through appropriate assessment activities.

1. Final examination and progress tests. Weighting 80%.

The final exam will be made up of 4 short questions, valued at 1 point each and 2 topics to be developed, valued at 2 points each. It lasts a total of 60 minutes.

2. Problem solving, exercises and case studies. Weighting 20%.

Attendance, active and efficient participation will be evaluated. If this evaluation is not passed, a practical exam will be taken.

The student will have the possibility of making a continuous evaluation by means of the accomplishment of 3 examinations type test to eliminate matter. The exams will last 30 minutes, with 20 multiple choice questions with 4 options and only one correct answer; Hit: 0.5 point; Blank: 0 points; Fail: -0.15 point)

After the Continuous Assessment and the Official Call, students who wish to apply for the Matrícula de Honor will be given a test to develop clinical cases.

The tests will be adapted to online or mixed modalities depending on the indications of Official Bodies based on the health situation present at the time of the evaluation.

The assessment tests will be carried out in the classroom if the situation allows it. If 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 University of Zaragoza's online resources, which will be advised in good time.

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:

Expository and participative classes.

Laboratory practices / demonstration room / computer room

4.2. Learning tasks

The programme offered to the student to help him/her achieve the expected results includes the following activities:

1. Theoretical classes (35 hours). Explanation and guidance for personal study of the different contents of the subject, directing it towards the acquisition of skills and learning results. All available resources and support in the different audiovisual media will be used.

2. Practical classes in groups (25 hours). Practice on practical assumptions and problem solving individually and in teams, applying the theoretical bases of the subject and the exercise of communication.

3. Personal study (90 hours). The student must be aware of and take responsibility for the creation of schemes and structured work programmes within the context of the time spent on other subjects. It should represent the passage from motivation, fostered by the learning activities described above, to the autonomous exercise of will.

4.3. Syllabus

THEME BLOCK I: General concepts

Topic 1. Concept of health, illness, functioning. Pathology. Semiology. Physiopathology. Pathocrony.

THEME BLOCK II: Etiological agents

Topic 2. Exogenous aetiological agents: Mechanical-traumatic agents, Physical agents, Chemical agents, Food, Industrialisation-work.

Topic 3. Endogenous aetiological agents: Genetic alteration, The influence of age

Topic 4. Other topics: Neoplasms, Inflammation and Edema

THEMATIC BLOCK III: Pathology by apparatus-systems

Topic 5. Pathology of the locomotive system:

- Bone

- Muscle

- Articulation

Topic 6. Pathology of the nervous system

Topic 6. Pathology of the Cardiocirculatory System

Topic 7. Pathology of the Respiratory System

Topic 8. Pathology of the Digestive System

Topic 9. Pathology of the Urinary System

Topic 10. Pathology of the Endocrine System

Topic 11. Blood Pathology: Alterations of the red, white series and coagulation disorders.

THEMATIC BLOCK IV: Vital risk situations (Basic and advanced support maneuvers)

4.4. Course planning and calendar

Training activities:

Theoretical class (35 hours) (100% attendance)

Practical classes (25 hours) (100% attendance)

Autonomous work of the seminar (90 hours) (Attendance 0%)

The planned training activities will be carried out in the classrooms and rooms designated by the Centre. If 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-attendance mode using the University of Zaragoza's online resources, which will be advised in due time.

4.5. Bibliography and recommended resources

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=25645>