

**COURSE DATA****Data Subject**

<b>Code</b>	33012
<b>Name</b>	Evaluation of physiotherapy I
<b>Cycle</b>	Grade
<b>ECTS Credits</b>	6.0
<b>Academic year</b>	2022 - 2023

**Study (s)**

<b>Degree</b>	<b>Center</b>	<b>Acad. year</b>	<b>Period</b>
1202 - Degree in Physiotherapy	Faculty of Physiotherapy	1	Second term

**Subject-matter**

<b>Degree</b>	<b>Subject-matter</b>	<b>Character</b>
1202 - Degree in Physiotherapy	9 - Evaluation in physiotherapy	Obligatory

**Coordination**

<b>Name</b>	<b>Department</b>
DIAZ DIAZ, BEATRIZ	191 - Physiotherapy
SANCHEZ FRUTOS, JOSE	191 - Physiotherapy

**SUMMARY**

The purpose of this subject is knowing theoretical bases of the assessmentss, tests and checks of the functional status of patient/user, modalities and functional assessment techniques in physiotherapy, scientific evaluation of the efectiveness of evaluation techniques used in Physiotherapy, practical application of assessments, test and checks of patient/user functional status, necessary rudiments and basic guidelines for data collection in physiotherapy and base of physiotherapy diagnosis.

**PREVIOUS KNOWLEDGE**



### **Relationship to other subjects of the same degree**

There are no specified enrollment restrictions with other subjects of the curriculum.

### **Other requirements**

No academic prerequisites are necessary

## **OUTCOMES**

### **1202 - Degree in Physiotherapy**

- Respect fundamental rights and equality between men and women.
- Recognise diversity, multiculturality, democratic values and peace culture.
- Work in teams.
- Have the ability to organise and plan work.
- Acquire knowledge related to the information and communication technologies.
- Acquire sensitivity to environmental issues.
- Know how to apply measurement procedures based on biomechanics and electrophysiology.
- Know the theoretical bases of assessments, tests and functional checks: knowledge of their modalities and techniques as well as the scientific evaluation of its effectiveness.
- Produce and systematically complete physiotherapy records.
- Know how to assess the patient/users functional state.
- Know how to interpret images of normality in different instrumental diagnostic methods.
- Know how to interpret pathologic images in different instrumental diagnostic methods.

## **LEARNING OUTCOMES**

Knowing Theoretical bases of the assessmentss, tests and checks of the functional status of patient/user to establece physiotherapy diagnosis.

## **DESCRIPTION OF CONTENTS**

### **1. Introduction the subject**

Introduction the subject



## **2. Basis of physiotherapy**

Application of energy to the body. Physical agent: definition, classification. Kinetic spectrum.

## **3. General study of human movement**

Reference planes and axes of the dynamic unit. Joint movements: types and generalities. Joint kinetics and kinematics. Systems to assess.

## **4. Physical examination of the human body**

Biotypology. General study of the position. Physical and psychological aspects of the position. Factors involved in the static.

## **5. Joint assessment**

Introduction. Joint goniometry. Methodology.

## **6. Assessment of muscle function**

Muscular assessment. Manual examination of muscle strength. Valuation methods.

## **7. Functional assessment**

Functional assessment of upper limb, leg, head and spine.

## **8. Assessment of the role of handing**

Assessment of the role of handing. Concept and types of prehension. Assessment of prehension.

## **9. Assessment of the sensitivity and pain**

Assessment of the sensitivity and pain. Study of different rating scales.

## **10. Assessment of human gait**

Assessment of human gait. The gait cycle and its phases. Influential factors in gait. Pathomechanisms.



### 11. Assessment of balance and propioception

Assessment of balance and propioception.

### 12. Introduction to the assessment of certain functions

Introduction to the assessment of certain functions: breathing.

### 13. Functional assessment of geriatric patients

Functional assessment of geriatric patients: Specific tests.

### 14. History and record of different systems.

History and record of different systems.

### 15. PRACTICAL PROGRAMME

Practice 1. Upper limb joint assessment.  
Practice 2. Lower limb joint assessment.  
Practice 3. Upper limb muscle assessment.  
Practice 4. Lower limb muscle assessment.  
Practice 5. Upper limb global assessment.  
Practice 6. Lower limb global assessment.  
Practice 7. Raquis global assessment, sensitivity and pain.

Exhibition of work by groups.

## WORKLOAD

ACTIVITY	Hours	% To be attended
Laboratory practices	40,00	100
Theory classes	20,00	100
Development of group work	45,00	0
Preparation of evaluation activities	22,00	0
Preparation of practical classes and problem	23,00	0
<b>TOTAL</b>	<b>150,00</b>	



## TEACHING METHODOLOGY

In the theoretical, will be combined the Lecture to participatory group activities.

In the labs will be used simulation and will be stimulated work in small groups. Apart from that, students, in groups, must do and present a job about a topic provided by the teacher. Likewise, presence at practises is mandatory, can justifiably be missing from one of them.

The teaching program may be modified during the development of the course if the teacher under teacher quality criteria and assimilation of knowledge by the student it deems appropriate

## EVALUATION

### **THEORETICAL evaluation: 40% FINAL MARK**

Written test that consists of an open answer test: 3 questions to be explained.

### **PRACTICAL evaluation: 60% FINAL MARK**

1. Oral examination: Simulation of the application of the valuation techniques and methods described in the practices: 30% FINAL MARK
2. Completion and presentation of a work: Public exposure of a job, assigned by the teacher at the beginning of the course, done as a group: 30% FINAL MARK

**The final grade for the course will be averaged provided the student has obtained at least 5 out of 10 in each block of the theoretical and practical.**

**All written tests will penalize the incorrect spelling.**

## REFERENCES

### **Basic**

- DANIELS, L. WORTHINGHAM, C.: Pruebas musculares y funcionales. 5ª Edición. Editorial interamericana- Mac Graw Gill. Madrid 1988
- GENOT. C.; NEIGER, H; LERIY, A.; Y COLS.: Kinesiterapia. Vol: 1. Editorial Médica Panamericana. Buenos Aires. 1987.
- KAPANDJI, I.A.: Cuadernos de fisiología articular. Números 1-2 y 3. Editorial Toray-Masson, S.A.Barcelona 1987-1988.
- KENDALL.F.P.; KENDALL, E.; Mc. GREARY: Músculos: pruebas y funciones. Editorial Jims. 2ª Edición. Barcelona 1985



- IGUAL, C.; MUÑOZ, E.; ARAMBURU, C: Fisioterapia general: cinesiterapia. Editorial Síntesis. Madrid 1996.
- VIEL, E.; La marcha humana. Editorial Masson. Barcelona.1984.

#### **Additional**

- LACOTE, M.; CHEVALIER, A.M.; MIRANDA, A.; Valoración de la función normal y patológica. Editorial Masson. Barcelona 1984.