

**COURSE DATA****DATA SUBJECT**

Code: 33012
Name: Evaluation of physiotherapy I
Cycle: Undergraduate Studies
ECTS Credits: 6
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
1202 - Degree in Physiotherapy	Facultat de Fisioteràpia	1	Second quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
1202 - Degree in Physiotherapy	Evaluation in physiotherapy	COMPULSORY

COORDINATION

DIAZ DIAZ BEATRIZ

SANCHEZ FRUTOS JOSE

SUMMARY

The purpose of this subject is knowing theoretical bases of the assessments, tests and checks of the functional status of patient/user, modalities and functional assessment techniques in physiotherapy, scientific evaluation of the effectiveness 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

COMPETENCES / LEARNING OUTCOMES



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Acquire knowledge related to the information and communication technologies.

Acquire sensitivity to environmental issues.

Have the ability to organise and plan work.

Know how to apply measurement procedures based on biomechanics and electrophysiology.

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.

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.

Recognise diversity, multiculturalism, democratic values and peace culture.

Respect fundamental rights and equality between men and women.

Work in teams.

DESCRIPTION OF CONTENTS

THEORETICAL PROGRAM

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

Biotypeology. 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.

PRACTICAL PROGRAM

- 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.
- Practice 8 and 9. Exhibition of work by groups.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theory	20,00
Laboratory	40,00
Total hours	60,00

NON PRESENCIAL ACTIVITIES



Activity	Hours
Attendance at other activities	0,00
Individual or group project	45,00
Independent study and work	0,00
Preparation of lessons	23,00
Preparation for assessment activities	22,00
Resolution of case studies	0,00
Total hours	90,00

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 practiques 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, in the current academic year.

All written tests will penalize the incorrect spelling.

Due to the non-recoverable nature of the practical classes, non-attendance to practices implies the impossibility of passing the subject in any of the 2 calls. Those activities of continuous evaluation that require face-to-face due to their particular characteristics, may not be recoverable outside the hours of completion established in the schedule.



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: kinesiterapia. 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.
- Blasco JM, Díaz-Díaz B, Igual-Camacho C, Pérez-Maletzki J, Hernández-Guillén D, Roig-Casasús S. Effectiveness of using a chatbot to promote adherence to home physiotherapy after total knee replacement, rationale and design of a randomized clinical trial. BMC Musculoskelet Disord. 2023 Jun 15; 24(1):491. doi: 10.1186/s12891-023-06607-3. PMID: 37322506; PMCID: PMC10267537.
- Casaña J, Calatayud J, Silvestre A, Sánchez-Frutos J, Andersen LL, Jakobsen MD, Ezzatvar Y, Alakhadar Y. Knee Extensor Muscle Strength Is More Important Than Postural Balance for Stair-Climbing Ability in Elderly Patients with Severe Knee Osteoarthritis. Int J Environ Res Public Health. 2021 Mar 31; 18(7):3637. doi:10.3390/ijerph18073637. PMID: 33807414; PMCID: PMC8037849.

Likewise, each topic will specify the books, scientific articles, and readings of interest recommended for preparing the content covered.