

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

Code	33013
Name	Evaluation of physiotherapy II
Cycle	Grade
ECTS Credits	6.0
Academic year	2023 - 2024

Study (s)

Degree	Center	Acad. year	Period
1202 - Degree in Physiotherapy	Faculty of Physiotherapy	2	First term

Subject-matter

Degree	Subject-matter	Character
1202 - Degree in Physiotherapy	9 - Evaluation in physiotherapy	Obligatory

Coordination

Name	Department
LLUCH GIRBES, ENRIQUE JUAN	191 - Physiotherapy
SANCHIS SANCHEZ, ENRIQUE	191 - Physiotherapy

SUMMARY

- Principles of clinical assessment and diagnosis in musculoskeletal physiotherapy
- Knowledge of Diagnostic imaging methods in musculoskeletal physiotherapy
- Recording of muscle activity, cerebral activity and nociceptive and sensory systems processing
- Other measurement methods



PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

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

Other requirements

OUTCOMES

1202 - Degree in Physiotherapy

- Students must have acquired knowledge and understanding in a specific field of study, on the basis of general secondary education and at a level that includes mainly knowledge drawn from advanced textbooks, but also some cutting-edge knowledge in their field of study.
- Students must be able to apply their knowledge to their work or vocation in a professional manner and have acquired the competences required for the preparation and defence of arguments and for problem solving in their field of study.
- Students must have the ability to gather and interpret relevant data (usually in their field of study) to make judgements that take relevant social, scientific or ethical issues into consideration.
- Students must be able to communicate information, ideas, problems and solutions to both expert and lay audiences.
- Students must have developed the learning skills needed to undertake further study with a high degree of autonomy.
- Assess a patient's function, including physical, psychological and social aspects.
- Determine a physiotherapy diagnosis through the application of internationally recognised rules and validated instruments.
- Design the physiotherapy intervention plan, according to suitability, validity and efficiency criterion.
- Assess the evolution of the results obtained with the treatment in relation to the objectives.
- Write the physiotherapy discharge report once the established objectives have been attained.
- 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

- Student will be able to make a correct history and perform a complete physical examination
- Student will know the necessary parameters in order to determine the diagnostic accuracy of an assessment procedure
- Student will know which are the most appropriate diagnostic imaging methods and assessment procedures for assessing neuromusculoskeletal pain disorders

DESCRIPTION OF CONTENTS

1. Unit 1. Principles of examination and measurement in musculoskeletal physiotherapy

Lesson 1. Diagnosis in musculoskeletal physiotherapy. Evolution and diagnostic classification systems.

Lesson 2. Tests and assessment tests. Diagnostic utility of clinical assessment.

2. Unit 2. Clinical assessment in musculoskeletal physiotherapy

Lesson 3. The clinical history in musculoskeletal physiotherapy.

Lesson 4. Physical examination in musculoskeletal physiotherapy.

3. Unit 3. Diagnostic imaging in musculoskeletal physiotherapy

Unit 5. Proves d'imatge in the diagnosis of musculoskeletal physiotherapy.



4. Unit 4. Evaluation of the nociceptive and sensory systems: Quantitative Sensory Testing (QST)

Lesson 6. Principle of the quantitative assessment of sensory modalities.

Lesson 7. Sensory quantitative assessment protocols.

5. Unit 5. Assessment of proprioception in physical therapy

Lesson 8. Proprioception tests.

6. PRACTICAL PROGRAMME

- Cervical spine: subjective and physical examination
- Thoracic spine: subjective and physical examination
- Lumbar spine and pelvis: subjective and physical examination
- Shoulder: subjective and physical examination
- Elbow: subjective and physical examination
- Wrist: subjective and physical examination
- Hip: subjective and physical examination
- Knee: subjective and physical examination
- Ankle: subjective and physical examination
- Quantitative Sensory Testing (QST)
- Assessment of sensorimotor control
- Neurological examination

WORKLOAD

ACTIVITY	Hours	% To be attended
Classroom practices	40,00	100
Theory classes	20,00	100
Development of individual work	29,00	0
Study and independent work	25,00	0
Preparation of evaluation activities	21,00	0
Preparing lectures	15,00	0
TOTAL	150,00	

TEACHING METHODOLOGY



- Practice of physical examination procedures for the different regions of the body based on best evidence
- Practice of assessment procedures for musculoskeletal pain disorders.

EVALUATION

Theory exam

Multiple-choice questions	Þ Test with 30 multiple-choice questions with only one correct answer.	40%
	Þ Results will be based on this formula: Mark = [correct answers -(errors/number of choices -1)]x(highest mark possible/number of questions).	
		40% of final mark

Practical exam

Practical test	Þ Evaluate abilities, attitudes and skills through case studies using adequate apparatuses	60%
	Þ	
		60% of final mark

The grade of the subject will be averaged as long as the student has obtained at least 5 out of 10 in each of these two blocks. Not exceeding the theoretical or practical part does not imply a reexamination of both, the theoretical and the practical. The qualification will be saved between calls.



REFERENCES

Basic

- Petty N. (2013). Neuromusculoskeletal Examination and Assessment: A Handbook for Therapists. Churchill Livingstone; 4 edition
- Cook C, Hegedus EJ. (2011). Orthopedic Physical Examination Tests: An Evidence-Based Approach. Prentice Hall; 2 edition.
- Refshauge K, Gass E. (2004). Musculoskeletal Physiotherapy, Second Edition: Clinical Science and Evidence-Based Practice: Its Clinical Science and Evidence-Based Practice. Butterworth-Heinemann; 2 edition.

Additional

- Greenhalgh S. (2006). Red Flags: A Guide to Identifying Serious Pathology of the Spine, 1e (Physiotherapy Pocketbooks). Churchill Livingstone; 1 edition.
- Jull G, Moore A, Falla D, Lewis J, McCarthy C, Sterling M. (2015). Grieve's Modern Musculoskeletal Physiotherapy. Elsevier; 4 edition.
- Goodman C. (2012). Differential Diagnosis for Physical Therapists: Screening for Referral. Saunders; 5 edition.
- Magee DJ. (2014) Orthopedic Physical Assessment. Saunders. 6 edition.
- Hattam P. (2010). Special tests in Musculoskeletal Examination: An evidence-based guide for clinicians. Churchill Livingstone; 1 edition.