



## 1. General information

**Course:** EVALUATION IN PHYSIOTHERAPY**Type:** CORE COURSE**Degree:** 333 - UNDERGRADUATE DEGREE PROGRAMME IN PHYSIOTHERAPY**Center:** 109 - FACULTAD DE FISIOTERAPIA Y ENFERMERÍA**Year:** 1**Main language:** Spanish**Use of additional languages:****Web site:****Code:** 17306**ECTS credits:** 6**Academic year:** 2022-23**Group(s):** 40**Duration:** C2**Second language:****English Friendly:** Y**Bilingual:** N

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## 2. Pre-Requisites

Not established

## 3. Justification in the curriculum, relation to other subjects and to the profession

**Justification:** The subject Physiotherapy Assessment covers the study and application of assessments, tests and functional checks on their foundations, modalities and techniques.

**Relationship with other subjects:** This subject is related to others in the Curriculum such as: Fundamentals of Physiotherapy, Human Morphophysiology I and II, Anatomy of the Locomotor System, Biomechanics, Psychology, Kinesitherapy, General Procedures I and II, Specific Methods I - IV, Physiotherapy in Clinical Specialties I - VI, Introduction to Clinical Practice, Practicum I, II and III.

**Relationship with the profession:** This subject will allow the student to attain essential professional competences for the exercise of the profession, since assessment is the first phase in the method of intervention in physiotherapy. It is in this phase when all the necessary data are gathered and recorded to obtain a clear idea of the health status of a person or group, with the aim of making a physiotherapeutic diagnosis.

## 4. Degree competences achieved in this course

## Course competences

Code	Description
CB1	Prove that they have acquired and understood knowledge in a subject area that derives from general secondary education and is appropriate to a level based on advanced course books, and includes updated and cutting-edge aspects of their field of knowledge.
CB2	Apply their knowledge to their job or vocation in a professional manner and show that they have the competences to construct and justify arguments and solve problems within their subject area.
CB3	Be able to gather and process relevant information (usually within their subject area) to give opinions, including reflections on relevant social, scientific or ethical issues.
CB4	Transmit information, ideas, problems and solutions for both specialist and non-specialist audiences.
CB5	Have developed the necessary learning abilities to carry on studying autonomously
E01	Students must be capable of systematically identifying and describing anatomic structures in order to apply them in Physiotherapy performance.
E19	Students must be capable of applying the principles and theories of biophysics to Physiotherapy performances.
E30	Students must be capable of evaluating the functional condition of the patient, taking into consideration their physical, psychological, and social characteristics, and using adequate tools for the assessment.
E32	Students must be capable of systematically elaborating and completing a physiotherapy clinical record.
E36	Students must understand and be capable of applying ergonomic and anthropometric principles.
E55	Students must know the mechanisms of quality assurance in the practice of Physiotherapy according to the known and validated criteria, indicators, and quality standards for the adequate practice of the profession.
E57	Students must understand the importance of updating knowledge, skills, abilities, and aptitudes of professional competences.
G01	Students must show their ability to make educated decisions and solve problems based on available knowledge and information within their field of study.
G02	Students must prove their organizational, planning, and time management skills for the teaching-learning process.
G03	Students must demonstrate their skills in terms of analyzing, summarizing both verbally and in writing, as well as producing and defending arguments.
G04	Students must show their skills in terms of verbal and written communication in Spanish.

G05	Students must show their ability to manage information properly.
G06	Students must show their capabilities and management of ITCs in their field of study.
G19	Students must show respect, appreciation, and sensitivity towards the work of others.
G23	Students must have acquired knowledge and understanding of Health Sciences, based on advanced textbooks and cutting-edge knowledge in their field of study.
G26	Students must show respect for Human Rights, fulfilling principles of equality between genders, non-discrimination, and universal accessibility for people with disabilities.

## 5. Objectives or Learning Outcomes

### Course learning outcomes

#### Description

To make a portfolio or laboratory notebook including the different tools, methods, and assessment procedures employed in physiotherapy, summarizing the methodology to apply for each assessment, all with the aid of images, no spelling errors, and using appropriate technical language.

To explain, verbally and in writing, the general theoretical grounds of the process of palpation, inspection, and tool measuring system.

To properly elaborate and complete physiotherapeutic clinical records that include the data to be obtained for each assessment, and to interpret the obtained outcomes correctly.

To show the correct execution of the different assessment methods and procedures employed in Physiotherapy by applying them on a peer or practical case, choosing the position and most adequate assessment tool, and critically explaining the reasons for such choices, with logical structure and appropriate language.

## 6. Units / Contents

**Unit 1: General procedures of evaluation in Physiotherapy. The Clinical History.**

**Unit 2: Morphostatic evaluation. Posture and balance evaluation.**

**Unit 3: Joint evaluation: stability and mobility**

**Unit 4: Evaluation of the muscular system**

**Unit 4.1** Factors influencing muscle strength

**Unit 4.2** Evaluation of tone and extensibility

**Unit 4.3** Manual evaluation of muscle strength

**Unit 4.4** Muscle tests: dynamic, static, power and endurance

**Unit 4.5** Dynamometry

**Unit 5: Evaluation of sensitivity and pain**

**Unit 6: Evaluation of functional capacity**

**Unit 7: PRACTICAL CONTENTS**

**Unit 7.1** PRACTICE 1-2: Morphostatic assessment

**Unit 7.2** PRACTICE 3-5: Evaluation of the shoulder complex

**Unit 7.3** PRACTICE 6-7: Evaluation of the elbow joint

**Unit 7.4** PRACTICE 8-9: Evaluation of the joints of wrist and hand

**Unit 7.5** PRACTICE 10-11: Evaluation of the hip joint

**Unit 7.6** PRACTICE 12-13: Evaluation of the knee joint

**Unit 7.7** PRACTICE 14-15: Evaluation of the joints of ankle and foot

**Unit 7.8** PRACTICE 16: Evaluation of the neck and thoracic regions

**Unit 7.9** PRACTICE 17: Evaluation of the lumbopelvic region

**Unit 7.10** PRACTICE 18: Dynamometry

**Unit 7.11** PRACTICE 19: Sensitivity and pain assessment

**Unit 8: SEMINAR / WORKSHOP: Isokinetic evaluation of muscle strength.**

### ADDITIONAL COMMENTS, REMARKS

Practices P3 to P17 will be developed in the following order:

- Review of anatomy and physiology.
- Joint assessment.
- Analytical muscle assessment.
- Assessment of passive muscle extensibility.
- Palpation of structures.
- Pain and sensitivity assessment.
- Orthopedic clinical tests.

## 7. Activities, Units/Modules and Methodology

Training Activity	Methodology	Related Competences (only degrees before RD 822/2021)	ECTS	Hours	As	Com	Description
Class Attendance (theory) [ON-SITE]	Lectures	E01 G01 G02 G23	0.7	17.5	Y	N	
Class Attendance (practical) [ON-SITE]	Combination of methods	E01 E19 E30 E32 E36 E55 G01 G03 G04 G05 G19 G26	1.5	37.5	Y	N	
Workshops or seminars [ON-SITE]	Combination of methods	E32 G01 G02 G03 G04	0.3	7.5	Y	N	

Final test [ON-SITE]	Assessment tests	G05 G19 G23 G26 CB1 CB2 CB3 CB4 CB5 E01 E19 E30 E32 E36 E55 E57 G01 G02 G03 G04 G05 G06 G19 G23 G26	0.2	5	Y	Y	
Practicum and practical activities report writing or preparation [OFF-SITE]	Group Work	E30 E32 E57 G05 G06	1	25	Y	Y	
Group tutoring sessions [ON-SITE]	Combination of methods	E57 G02 G04 G05 G19 G23	0.3	7.5	N	-	
Study and Exam Preparation [OFF-SITE]	Self-study	E01 E30 G02	2	50	Y	N	
<b>Total:</b>			<b>6</b>	<b>150</b>			
<b>Total credits of in-class work: 3</b>				<b>Total class time hours: 75</b>			
<b>Total credits of out of class work: 3</b>				<b>Total hours of out of class work: 75</b>			

As: Assessable training activity

Com: Training activity of compulsory overcoming (It will be essential to overcome both continuous and non-continuous assessment).

8. Evaluation criteria and Grading System			
Evaluation System	Continuous assessment	Non-continuous evaluation*	Description
Theoretical exam	45.00%	45.00%	
Practical exam	30.00%	30.00%	
Practicum and practical activities reports assessment	10.00%	10.00%	
Oral presentations assessment	15.00%	15.00%	
<b>Total:</b>	<b>100.00%</b>	<b>100.00%</b>	

According to art. 4 of the UCLM Student Evaluation Regulations, it must be provided to students who cannot regularly attend face-to-face training activities the passing of the subject, having the right (art. 12.2) to be globally graded, in 2 annual calls per subject, an ordinary and an extraordinary one (evaluating 100% of the competences).

9. Assignments, course calendar and important dates	
<b>Not related to the syllabus/contents</b>	
<b>Hours</b>	<b>hours</b>
Final test [PRESENCIAL][Assessment tests]	5
Practicum and practical activities report writing or preparation [AUTÓNOMA][Group Work]	25
Study and Exam Preparation [AUTÓNOMA][Self-study]	50
Group tutoring sessions [PRESENCIAL][Combination of methods]	7.5
<b>Unit 1 (de 8): General procedures of evaluation in Physiotherapy. The Clinical History.</b>	
<b>Activities</b>	<b>Hours</b>
Class Attendance (theory) [PRESENCIAL][Lectures]	2
<b>Unit 2 (de 8): Morphostatic evaluation. Posture and balance evaluation.</b>	
<b>Activities</b>	<b>Hours</b>
Class Attendance (theory) [PRESENCIAL][Lectures]	2
<b>Unit 3 (de 8): Joint evaluation: stability and mobility</b>	
<b>Activities</b>	<b>Hours</b>
Class Attendance (theory) [PRESENCIAL][Lectures]	3.5
<b>Unit 4 (de 8): Evaluation of the muscular system</b>	
<b>Activities</b>	<b>Hours</b>
Class Attendance (theory) [PRESENCIAL][Lectures]	6
<b>Unit 5 (de 8): Evaluation of sensitivity and pain</b>	
<b>Activities</b>	<b>Hours</b>
Class Attendance (theory) [PRESENCIAL][Lectures]	2
<b>Unit 6 (de 8): Evaluation of functional capacity</b>	
<b>Activities</b>	<b>Hours</b>
Class Attendance (theory) [PRESENCIAL][Lectures]	2
<b>Unit 7 (de 8): PRACTICAL CONTENTS</b>	
<b>Activities</b>	<b>Hours</b>
Class Attendance (practical) [PRESENCIAL][Combination of methods]	37.5
<b>Unit 8 (de 8): SEMINAR / WORKSHOP: Isokinetic evaluation of muscle strength.</b>	
<b>Activities</b>	<b>Hours</b>
Workshops or seminars [PRESENCIAL][Combination of methods]	7.5
<b>Global activity</b>	
<b>Activities</b>	<b>hours</b>
Group tutoring sessions [PRESENCIAL][Combination of methods]	7.5
Class Attendance (theory) [PRESENCIAL][Lectures]	17.5
Class Attendance (practical) [PRESENCIAL][Combination of methods]	37.5
Workshops or seminars [PRESENCIAL][Combination of methods]	7.5
Final test [PRESENCIAL][Assessment tests]	5

Practicum and practical activities report writing or preparation [AUTÓNOMA][Group Work]	25
Study and Exam Preparation [AUTÓNOMA][Self-study]	50
<b>Total horas:</b>	<b>150</b>

10. Bibliography and Sources						
Author(s)	Title/Link	Publishing house	City	ISBN	Year	Description
HISLOP HJ., AVERS D., BROWN M.	Daniels y Worthingham: Técnicas de balance muscular. Técnicas de exploración manual y pruebas funcionales.	Editorial Elsevier España	Madrid	9788490225059	2014	Este libro aporta una importante recopilación de los diferentes test utilizados para el diagnóstico de fisioterapia en diferentes especialidades clínicas. Las descripciones de las pruebas son claras y detalladas y están ilustradas mediante fotografías y dibujos
DÍAZ MANCHA, JUAN A.	Valoración Manual	Elsevier		97884900225912	2014	
NORKIN-WHITE	Goniometría. Evaluación de movilidad articular	Editorial MARBAN	Madrid	84-7101-480-7	2008	
TIXA S.	Atlas de Anatomía Palpatoria. Tomo 1: Cuello, tronco y miembro superior	Editorial Masson	Barcelona	9788445816462	2006	
TIXA S.	Atlas de Anatomía Palpatoria. Tomo 2: Miembro inferior	Masson	Barcelona	9788445811573	2006	
VIEL E.	Diagnóstico Fisioterápico	Masson	Barcelona	84-458-0775-7	2001	
DAZA LESMES, J.	Evaluación clínico-funcional del movimiento corporal humano	Editorial Médica Panamericana	Madrid	9589181619	2007	
MUSCOLINO, JOSEPH E.	Know the body: muscle, bone, and palpation	Elsevier	Missouri	978-0-323-08684-4	2011	
DIAZ MANCHA,, JUAN A.	Diagnóstico clínico del miembro superior en terapia manual	Elsevier	Barcelona	978-84-9113-049-9	2017	
CLELAND, JOSHUA	Netter : exploración clínica en ortopedia : un enfoque basado en la evidencia	Elsevier,		978-84-9113-222-6	2017	
HANSEN, JOHN T.	Netter, anatomía clínica /	Elsevier Masson,		978-84-458-2611-9	2015	