



Information about the subject

Degree: Bachelor of Science Degree in Physiotherapy

Faculty: Faculty of Medicine and Health Sciences

Code: 240102 **Name:** General Procedures of Intervention I

Credits: 6,00 **ECTS Year:** 2 **Semester:** 1

Module: MODULE 2: SPECIFIC

Subject Matter: General Procedures for Intervention in Physiotherapy **Type:** Compulsory

Field of knowledge: Health Sciences

Department: -

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:



Module organization

MODULE 2: SPECIFIC

Subject Matter	ECTS	Subject	ECTS	Year/semester
Fundamentals of Physical Therapy	6,00	Fundamentals of Physiotherapy	6,00	1/1
Assessment in Physiotherapy	6,00	Assessment in Physiotherapy	6,00	1/2
General Procedures for Intervention in Physiotherapy	12,00	General Procedures of Intervention I	6,00	2/1
		General Procedures of Intervention II	6,00	2/2
Physiotherapy in clinical specialties	6,00	Medical-Surgical Conditions and their Treatments	6,00	2/2
Specific Methods of Intervention in Physical Therapy	30,00	Cardiocirculatory and Respiratory Physiotherapy	6,00	3/1
		Physiotherapy of the Locomotive System I	6,00	2/2
		Physiotherapy of the Locomotive system II	6,00	3/1
		Physiotherapy of the Nervous System	6,00	2/2
		Sports Physiotherapy	6,00	3/1
Kinesitherapy	6,00	Kinesitherapy	6,00	2/1
Legislation, Public Health and Health Administration	12,00	Community Physiotherapy and Public Health	6,00	3/1



Legislation, Public
Health and Health
Administration

Social Morality. Ethics

6,00

4/1

Recommended knowledge

It has not established.

Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 Knows, reasons and uses correctly the different physical and manual therapies.
- R2 The student is able to integrate the physical foundations with the physiological effects and their therapeutic application.
- R3 Knows the different physiological effects on the human body of the different physical and manual therapies.
- R4 Knows the indications, contraindications and precautions of the different physical and manual therapies.
- R5 The student is able to interrelate the different physical and manual therapies.
- R6 Looks for bibliographical information from different sources and knows how to analyze it with a critical and constructive spirit.
- R7 The student is able to write a comprehensible text, organized on topics related to physiotherapy and work in a group.
- R8 Knows the different physiological effects of therapeutic exercise on the human body.
- R9 The student is able to integrate the fundamentals of force planning in physiotherapy.
- R10 Performs the skills of massage therapy as an essential working tool for the physiotherapist.



Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC		Weighting			
		1	2	3	4
CB1	Students demonstrate knowledge and understanding in an area of study that is at the core of general secondary education, and is often at a level that, while supported by advanced textbooks, also includes some aspects that involve knowledge from the cutting edge of their field of study.		X		
CB2	Students know how to apply their knowledge to their work or vocation in a professional way and possess the skills usually demonstrated by developing and defending arguments and solving problems within their area of study.		X		
CB3	Students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include reflection on relevant social, scientific or ethical issues.			X	
CB4	Students can convey information, ideas, problems and solutions to both specialized and non-specialized audiences.		X		
CB5	Students develop those learning skills necessary to undertake further studies with a high degree of autonomy.		X		
GENERAL		Weighting			
		1	2	3	4
CG1	Students know the methods, procedures and physiotherapeutic actions, for the free exercise of the profession.	X			
CG3	Correct application of therapeutics in re-education and functional recovery.	X			
SPECIFIC		Weighting			
		1	2	3	4



CT6	Information management capacity.			X	
CT7	Computer skills related to the field of study.	X			
CT8	Knowledge of a foreign language.	X			
CT9	Ethical commitment.			X	
CT10	Teamwork.	X			
CT11	Interpersonal relationship skills.	X			
CT12	Work in an interdisciplinary team	X			
CT13	Critical Reasoning			X	
CT14	Work in an international context.	X			
CT15	Recognition of diversity and multiculturalism	X			
CT16	Motivation for quality				X
CT17	Adaptation to new situations.			X	
CT18	Creativity				X
CT19	Autonomous learning			X	
CT20	Initiative and entrepreneurship			X	
CT21	Leadership.	X			
CT22	Knowledge of other cultures and customs	X			
CT23	Sensitivity to environmental issues.			X	



Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R4, R5, R8, R9	15,00%	OPEN QUESTIONS: Written exam in which theoretical knowledge and the student's ability to relate, integrate and express it coherently in written language are evaluated. It allows the following generic or transversal skills to be assessed: 4 Capacity for analysis and synthesis. 3 Capacity for organisation and planning. 5 Oral and written communication in the native language. 8 Knowledge of a foreign language. 2 Problem-solving 19 Autonomous learning.
R1, R2, R3, R4, R5, R8, R9	30,00%	TEST TYPE: Multiple choice test with one correct answer out of five possible ones. It allows the student to know in greater detail the contents acquired by him/her. It allows the following generic or transversal competences to be assessed: 2 Problem solving 1 Decision making 13 Critical thinking
R1, R2, R3, R4, R5, R10	10,00%	PRACTICES: Oral test in which the student is asked to solve practical exercises, clinical cases or problems about the knowledge of the different subjects. It assesses the following generic or transversal competences: 4 Analysis and synthesis capacity. 3 Capacity for organisation and planning. 7 IT Knowledge. 6 Information management skills. 2 Problem-solving 1 Decision-making. 13 Critical thinking. 19 Self-directed learning.



R2, R3, R6, R7	10,00%	<p>WORKS: The student, individually or in a group, elaborates a revision or research topic and presents it, in writing, for the evaluation by the teacher. The following generic or transversal competences are valued: 4 Capacity for analysis and synthesis. 3 Capacity for organisation and planning. 7 Computer skills. 6 Information management skills. 10 Teamwork. 14 Working in an international context. 11 Interpersonal skills. 13 Critical thinking. 19 Autonomous learning. 18 Creativity. 21 Leadership. 20 Initiative and entrepreneurship. 16 Motivation for Quality. 70 Maintaining an attitude of learning and improvement. 72 Knowing one's own skills and limitations.</p>
R1, R2, R3, R4, R5	30,00%	<p>PRACTICAL EXAM: The student is faced with a test in which s/he must demonstrate through practical application the acquisition of certain knowledge. For example, histological or anatomopathological diagnosis, image interpretation or diagnostic tests. This test evaluates the following generic or transversal skills: 13 Critical reasoning. 19 Autonomous learning.</p>
R1, R2, R3, R4, R5, R6, R7, R8, R9	5,00%	<p>ATTENDANCE AND PARTICIPATION IN CLASS: The teacher evaluates the participation, involvement and progression of the student's acquisition of knowledge and skills during the theoretical and practical classes. It will not exceed 5% of the final grade.</p>

Observations

Evaluation criteria:

A) First call

1. Theoretical evaluation: 45%.

Test Type Test (30% of the final grade): it will consist of multiple answer questions and there may be different types of questions: Multiple choice with five answer alternatives each. Discounting every four wrong questions for one correct question. Complete diagrams, draw or identify different structures or procedures
Open questions (15% of the final grade): between 3 and 5 open questions will be asked with practical guidance on the subject taught. Important: in order to take the practical exam, the student must pass the theoretical evaluation part with more than 50%.

2. Individual and/or group work (10% of the final grade).

Review of a text (5% of the grade). Individual work. After reading, a critical summary of an article proposed by the teacher will be made.



Planning a physiotherapy session or an intervention program (5% of the grade). Team work. A portfolio will be made with the planning of a clinical case proposed by the professor.

Late work is not accepted.

Important: it is mandatory to present both works to be able to pass the subject in the first call. Therefore, if the works are not submitted in a timely manner, the theoretical exam will not be evaluated.

3. Attendance and participation (5% of the final grade)

Attendance at the practices is mandatory and you cannot pass the subject on the first call if you do not attend 80% of the practical sessions and seminars. Therefore, if the mandatory minimum attendance is not met, the theoretical exam will not be evaluated.

Attendance at theoretical classes is recommended. Participation in them will be positively evaluated.

4. Practical exam. (40% of the final grade).

Clinical case (10%): through a clinical case, the student will put into practice all the knowledge about the different techniques studied with the aim of solving the case.

Practical exam (30%): after solving the clinical case, the student will practically perform one or more maneuvers that will be evaluated using a rubric.

If the practical exam is failed, it will not be necessary to repeat the theoretical evaluation.

B) Second call.

Same percentages as in the first call.

If you pass the theoretical exam and fail the practical exam, the theoretical grade will be maintained for the second call.

The grade of individual and/or group work and attendance/participation is kept from the first call.

But the work cannot be delivered if it was not done within the corresponding deadlines.

EVALUATION CRITERIA FOR SECOND REGISTRATION AND SUBSEQUENT REGISTRATIONS

There will be six mandatory face-to-face tutorials, and it will not be possible to take the first call if you do not attend at least 4 sessions.

The percentages of grades are the same as in the 1st enrollment evaluation, with all points being mandatory.

Attendance at theoretical classes is recommended as well as contacting the teacher the first week of class.

CRITERIA FOR GRANTING HONORABLE REGISTRATION:

Explain specific criteria indicated for the subject and faculty to which the degree is assigned and in accordance with the general regulations that indicate that only one honorary registration can be given for every 20 students, not for a fraction of 20, with the exception of the case of groups of less than 20 students in total, in which registration can be given.



MENTION OF DISTINCTION:

According to Article 22 of the Regulations governing the Evaluation and Qualification of UCV Courses, the mention of "Distinction of Honor" may be awarded by the professor responsible for the course to students who have obtained, at least, the qualification of 9 over 10 ("Sobresaliente"). The number of "Distinction of Honor" mentions that may be awarded may not exceed five percent of the number of students included in the same official record, unless this number is lower than 20, in which case only one "Distinction of Honor" may be awarded.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- M1 Master class Problem solving Exposition of contents by the teacher. Explanation of knowledge and skills
- M2 Case resolution: Analysis of sample realities - real or simulated - that allow the student to connect theory with practice, to learn from models of reality or to reflect on the processes used in the cases presented.
- M4 Personalized attention. Period of instruction and/or guidance by a tutor with the aim of analyzing with the student their work, activities and their evolution in learning the subjects.
- M5 Set of tests carried out to know the degree of acquisition of knowledge and skills of the student.
- M7 Discussion and problem solving.
- M11 Oral presentation
- M12 Group work: Group work sessions supervised by the teacher. Knowledge construction through student interaction and activity.
- M14 Group work to search, discuss and filter information about the subjects
- M15 Seminar, supervised monographic sessions with shared participation
- M16 Student's study: Individual preparation of readings, essays, problem solving, seminars.



IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
Theoretical lessons M1, M2, M5, M7, M16	R1, R2, R3, R4, R5, R6, R7, R8, R9	42,00	1,68
Practice lessons M2, M5, M7, M11, M15	R1, R2, R3, R4, R5, R8, R9, R10	10,00	0,40
Seminar M4, M7, M11, M15	R6, R7	2,00	0,08
Office Hours M4	R1, R2, R3, R4, R5, R6, R7	4,00	0,16
Assessment M2, M5, M7, M14, M16	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10	4,00	0,16
TOTAL		62,00	2,48

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
Autonomous work M4, M7, M12, M15, M16	R2, R3, R4, R5, R6, R7, R8	65,00	2,60
Group work M12, M14, M15, M16	R6, R7	23,00	0,92
TOTAL		88,00	3,52



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
UNIT 1 Introduction to physical agents	Topic 1. Clinical reasoning in the use of PA Topic 2. PA in pain Topic 3. PA in mobility Topic 4. AF in the physiology of tissue healing
UNIT 2: Natural PA	Topic 5. Cryotherapy Topic 6. Thermotherapy Topic 7. Vibrotherapy, phototherapy, pressotherapy Topic 8 Aquatic therapy Topic 9. Thalassotherapy, climatotherapy, balneotherapy
UNIT 3. Massage Therapy	AF in tissue regeneration, functional needs of people.
UNIT 4. Seminar	Seminar 1. Integration of PAs in the intervention program
UNIT 5. Therapeutic exercise	Topic 11. Therapeutic exercise I. Topic 12. Therapeutic exercise II.
UNIT 6. PRACTICES	Practice 1. Lymphatic drainage Practice 2. Cryotherapy and Thermotherapy Practice 3. Massage therapy Practice 4. Therapeutic Exercise Practice 5. Aquatic therapy
Tutorships	Face-to-face or online individual or group tutorships
Evaluation	Theoric exam Practice exam



Temporary organization of learning:

Block of content	Number of sessions	Hours
UNIT 1 Introduction to physical agents	8,00	16,00
UNIT 2: Natural PA	5,00	10,00
UNIT 3. Massage Therapy	2,00	4,00
UNIT 4. Seminar	1,00	2,00
UNIT 5. Therapeutic exercise	6,00	12,00
UNIT 6. PRACTICES	5,00	10,00
Tutorships	2,00	4,00
Evaluation	2,00	4,00



References

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