



# UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata		
ACADEMIC YEAR	2021/2022		
BACHELOR'S DEGREE (BSC)	PHYSIOTHERAPY		
SUBJECT	PHYSIOTHERAPEUTIC REHABILITATION IN SURGERY AND SPECIALIST MEDICINE		
TYPE OF EDUCATIONAL ACTIVITY	B		
AMBIT	10329-Scienze della fisioterapia		
CODE	15197		
SCIENTIFIC SECTOR(S)	MED/48		
HEAD PROFESSOR(S)	ENEA GIUSEPPE	Professore a contratto	Univ. di PALERMO
OTHER PROFESSOR(S)			
CREDITS	3		
INDIVIDUAL STUDY (Hrs)	45		
COURSE ACTIVITY (Hrs)	30		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	3		
TERM (SEMESTER)	1° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS			

<b>PREREQUISITES</b>	Having the knowledge of anatomy, physiology, pathology and clinic equipment: cardio-respiratory, osteo-articular and muscular, integumentary, geriatrics.
<b>LEARNING OUTCOMES</b>	<p>Knowledge and ability 'to understand: the student must 'achieve knowledge and expertise with traditional teaching methods such as lectures and practical exercises in small groups with simulations.</p> <p>Capacity 'to apply knowledge and understanding: the student must 'be capable of understanding, assessment, development of the physiotherapy program enables' in physiotherapy individualized paths with different objectives.</p> <p>Making judgments: the student must 'acquire autonomy in observation and clinical evaluation before and after treatment physiotherapy independently.</p> <p>Enable 'communicative: the student must 'be able to communicate the problems concerning physical therapy in patients who require surgery and specialist medical pathology intervention.</p> <p>Capacity 'Learning: the student must 'be able to observe, evaluate, ask yourself the short and long term goals, knowing grasp the clinical aspects useful for taking charge of patients to be rehabilitated, to be able to perform independently the post rehabilitation functional checks short and long term.</p>
<b>ASSESSMENT METHODS</b>	<p><b>ORAL EXAM</b> THE ORAL TEST its teaching consists of an interview with a minimum number of three questions and is designed to verify:</p> <p>a) the knowledge gained in the discipline and the ability to establish connections between the content</p> <p>b) the processing capacity by demonstrating that you understand the applications and Content implications within the professional context</p> <p>c) the presentation skills demonstrating to possess adequate properties language and ability to interact with the examiners.</p> <p>The vote of thirty is assigned according to the following grid:</p> <p>30-30 laude = Excellent (A - A +, Excellent) = Excellent knowledge of the contents teaching; students demonstrate high analytical and synthetic capacity and It is able to apply the knowledge to solve problems of high complexity</p> <p>27-29 = Good (B, Very good) = Excellent knowledge of teaching content and excellent language skills; students demonstrate analytical and synthetic capacity and able to apply their knowledge to solve problems of medium complexity and, in certain cases, also high</p> <p>24-26 = Good (C, Good) = Good knowledge of teaching content and good language skills; the student is able to apply knowledge to solving problems of medium complexity</p> <p>21-23 = Discreet (D, Satisfactory) = Good knowledge of teaching content, in some cases limited to the main topic; acceptable ability to use the specific language of the discipline and apply independently acquired knowledge</p> <p>18-20 = Sufficient (And Sufficient) = Minimum knowledge of teaching content, often limited to the main topic; modest ability to use the language specific discipline and independently apply the knowledge acquired</p> <p>1-17 = Unsatisfactory (F, Fail) = Do not have an acceptable knowledge of the contents main teaching; very little or no ability to use the specific language of the discipline and apply independently acquired knowledge</p>
<b>EDUCATIONAL OBJECTIVES</b>	The student must 'be able to consult the scientific literature on physical therapy in surgical pathology to rehabilitation. Must 'achieve rehabilitation and physiotherapy knowledge in major diseases involving a pre and post-surgery rehabilitation treatment, interventions in thoracic surgery, cardiac surgery, in burns, amputation and rehabilitation of disorders relating to specialized medicine, with particular reference to the physiotherapy assessment, therapeutic techniques (use of methods and rehabilitation techniques, use of flow and volume incentives, use of pep eltgol, drainages and postures to be adopted in respiratory diseases) and physiotherapy occurs. Must 'to have knowledge and skills on the rehabilitation of the patient to rehabilitation in complex diseases, in pain syndrome, for the prevention of entrapment syndrome, falls prevention, in the patient's autonomy valuation polypathology
<b>TEACHING METHODS</b>	Lectures and exercises in outpatient cardiac rehabilitation in small groups

<b>SUGGESTED BIBLIOGRAPHY</b>	<p>Ausili didattici e dispensa del docente.</p> <p>Elementi di comunicazione per le professioni sanitarie, Ginestra A, Venere A, Vignera R, FrancoAngeli, 2008.</p> <p>Elementi di metodologia epidemiologica, Signorelli C, SEU, 2011.</p> <p>Criteri di appropriatezza clinica, tecnologica e strutturale del paziente complesso, Quaderni del Ministero della Salute, n. 23, settembre-ottobre 2013.</p> <p>Esame clinico e valutazione in riabilitazione respiratoria, Lazzeri M, Clini EM, Repossini E, Corradi A. Elsevier Masson, 2006.</p> <p>Ricondizionamento all'esercizio fisico nel paziente con patologie respiratorie, Lazzeri M, Brivio A, ARIR, Elsevier Masson, 2014.</p> <p>La disostruzione bronchiale. Dalla teoria alla pratica, ARIR, Elsevier Masson, 2001.</p> <p>Linee guida nazionali su cardiologia riabilitativa e prevenzione secondaria delle malattie cardiovascolari, SNLG 2006.</p> <p>Il cuore degli esercizi: programmi per la riabilitazione cardiovascolare e l'attività fisica di adulti e anziani. Bagnoli P, Fabbri D, Fattiroli F, Attila, 2000.</p>
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## SYLLABUS

Hrs	Frontal teaching
3	Introduction to Evidence Based Physiotherapy - Elements of clinical epidemiology and biostatistics - Frequency Measurement - Chi-square test - Student t test - Prospective studies and retrospective studies - Odd ratio and relative risk - Distribution of frequencies - Confidence Interval
3	Evidence Based Physiotherapy - Treatment Studies - The PICO - RCTs - Validity 'external - Validity' internal - Bias - Intention to treat analysis - to protocol - continuous and dichotomous variables - Number needed to treat - Test of significance
3	Criteria for clinical appropriateness patient in complex - Epidemiology of chronic diseases and Their combination - The complexity 'in cancer patients - The concept of complexity' in cardiac patient - The cardiac elderly - The complexity 'in pediatric patients - Complexity' pain of sickness
3	Clinical Examination and Evaluation in Respiratory Rehabilitation - The concept of meeting - Observation - The respiratory medical history - The evaluation of the surgical patient - Patient assessment in intensive care - the critical patient assessment - The Respiratory Insufficiency
3	Physiotherapy Respiratory elements - Diaphragmatic breathing - Chest expansion exercises - postural drainage - Percussion - The vibratory massage chest - Respiratory physiotherapy in surgery - Mechanical ventilation noninvasive positive pressure - BIBAP and CPAP - Mechanical ventilation - Rehabilitation protocol of cardioperato
3	Physiotherapy in burn patient - Classification of gravity 'of burns - Objectives - Tutors - Exercise - Complications - Scientific studies on the effectiveness of exercise in the burn patient
3	Cardiac Rehabilitation - Indications - Organizational aspects - Types of patients that belong to the RC - Notes on physical exercise in Cardiac Rehabilitation
3	The Functional Assessment in Cardiac Rehabilitation - Core Components of Cardiac Rehabilitation / Secondary Prevention Programs - Evaluation Methods - Exercise in Cardiac Rehabilitation - Training activity 'Physics - Evaluation - Operations - Expected results - Workout with Exercise - exercises - Rehabilitation of the transplanted heart
3	Rehabilitation of amputees - Definition, levels, causes, stump, prosthetics, functional rehabilitation - Functional bandaging of the stump - Pain - Upper limb prostheses - prostheses for lower limb
3	Therapeutic Relationship - The Gestalt approach to the relationship - Touched