UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata
ACADEMIC YEAR	2024/2025
MASTER'S DEGREE (MSC)	HEALTH PROFESSIONS REHABILITATION SCIENCES
INTEGRATED COURSE	PHYSIOTHERAPY SCIENCES - INTEGRATED COURSE
CODE	16961
MODULES	Yes
NUMBER OF MODULES	3
SCIENTIFIC SECTOR(S)	MED/48, MED/33, MED/26
HEAD PROFESSOR(S)	CAMARDA LAWRENCE Professore Ordinario Univ. di PALERMO
OTHER PROFESSOR(S)	SALEMI GIUSEPPE Professore Associato Univ. di PALERMO CAMARDA LAWRENCE Professore Ordinario Univ. di PALERMO
CREDITS	9
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	1
TERM (SEMESTER)	1° semester
ATTENDANCE	Mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	**CAMARDA LAWRENCE** Tuesday 12:00 14:00 Clinica Ortopedica - AOUP **SALEMI GIUSEPPE** Friday 12:00 14:00 Via del Vespro 143

DOCENTE: Prof. LAWRENCE CAMARDA

PREREQUISITES	to have completed the course
LEARNING OUTCOMES	The student must have knowledge in the pathophysiology and medical and surgical treatment of musculoskeletal diseases of childhood and adulthood with specific expertise in functional and instrumental semiotics and traumatology . Know the methodological basis of rehabilitation and clinical reasoning. Knowing how to plan the intervention by integrating it into the team on the basis of the Bio-psycho-social model Know and interpret the main measures used in neuroepidemiological research. - Be aware of the problems in the neuroepidemiological field. - Acquire the concepts regarding the collection and analysis of qualitative data. - Knowing how to construct a questionnaire through the analysis of qualitative data. - Knowing how to apply the neuroepidemiological approach to solving a problem. - Ability to critically review publications in the neuroepidemiological field. - Gain knowledge on meta-analytical auditing principles. - Acquire the ability to evaluate scientific research with bibliometric indicators - Knowledge of clinical trials
ASSESSMENT METHODS	oral examination: 2-3 questions concerning topics of the course elective grade out of thirty excellent 30/30 cum laude very good 26/29 good 24/25 satisfactory 21/23 enough 18/20 insufficient Compensatory tools and dispensatory measures will be guaranteed by the Disability and Neurodiversity Center - University of Palermo (Ce.N.Dis.) to students with disabilities and neurodiversity, based on specific needs and in implementation of current legislation.
TEACHING METHODS	lessons

MODULE
REHABILITATION METHODOLOGY

SUGGESTED BIBLIOGRAPHY

- Ausili didattici preparati dal docente (Materiale didattico e PP)
- OMS, Classificazione internazionale del Funzionamento, della Disabilita' e della Salute (ICF), Erickson, Trento, 2001. ISBN: 9788879464314
- Ginestra, Venere, Vignera – Elementi di Comunicazione per le Professioni Sanitarie – FrancoAngeli Editore, 2008. ISBN: 978-8856801811

AMBIT	20401-* Scienze della riabilitazione psichiatrica
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Knowing the methodological basis of rehabilitation and clinical reasoning.
Knowing how to plan the intervention integrating it within the team on the basis of bio-psycho-social model

SYLLABUS

Hrs	Frontal teaching
3	Scientific method and research in rehabilitation - the basics
3	Clinical reasoning in rehabilitation
4	Rehabilitation Intervention Planning
4	ICF and the Bio-Psycho-Social Model
4	Evaluation Form Disability
3	The teamwork
3	Communication and health professions, and the relationship therapist / patient

MODULE
NEUROLOGY

Prof. GIUSEPPE SALEMI

SUGGESTED BIBLIOGRAPHY

Powerpoint delle lezioni
Neurologia di Jean Cambier, Maurice Masson, Henri Dehen e C. Mariani ISBN 8821436926
Elementi di Metodologia Epidemiologica di Carlo Signorelli - Editore: SEU 2009 ISBN 978 8889548776
Applicazioni di epidemiologia per la sanita' pubblica di Fabrizio Faggiano, Francesco Donato, Fabio Barbone - Centro Scientifico Editore ISBN 978 8876407406

AMBIT	20397-* Scienze della fisioterapia
INDIVIDUAL STUDY (Hrs)	51
COURSE ACTIVITY (Hrs)	24

EDUCATIONAL OBJECTIVES OF THE MODULE

- To know and to be able to interpret the main measures used in neuroepidemiological research.
- To be aware of the neuroepidemiological issues.
- To acquire the concepts of collecting and analyzing qualitative data.
- To Know how to build a questionnaire through the analysis of qualitative data.
- To Know how to apply the neuroepidemiological approach to solving a problem.
- To acquire the capability to critically review neuroepidemiological publications.
- To acquire knowledge about meta-analytical review principles.
- To acquire the ability to evaluate scientific research with bibliometric indicators
- Knowledge of clinical trials

SYLLABUS

Hrs	Frontal teaching
3	General elements of neuroepidemilogy
4	Disease classification systems with special focus on neuropsychiatric disorders
3	Descriptive epidemiology of neuropsychiatric disorders
2	Population survey methods
3	Analytical epdemiology of neuropsychiatric disorders
3	Controlled clinical trials in the neuropsychiatric field and in relation to rehabilitation
3	Systematic reviews and methanalysis
3	Neuroepidemiology and healthcare organization

MODULE
LOCOMOTOR SYSTEM DISEASES

Prof. LAWRENCE CAMARDA

SUGGESTED BIBLIOGRAPHY

Mancini, Morlacchi : Clinica Ortopedica ISBN: 8829928852 – Manuale Atlante Piccin Editore Grassi, Pazzaglia, Pilato, Zatti: Manuale di Ortopedia e Traumatologia Elsevier Masson ISBN: 9788821432521

AMBIT	20397-* Scienze della fisioterapia
INDIVIDUAL STUDY (Hrs)	51
COURSE ACTIVITY (Hrs)	24

EDUCATIONAL OBJECTIVES OF THE MODULE

The student must have knowledge in the pathophysiology and medical and surgical treatment of musculoskeletal diseases of childhood and adulthood with specific expertise in functional and instrumental semiotics and traumatology . In addition , he must have knowledge in the field of physical medicine and rehabilitation in childhood and adulthood

SYLLABUS

Hrs	Frontal teaching
24	Le fratture: classificazione, quadri clinici, complicanze e modalita' di trattamento, con esercitazioni pratiche di bendaggi e fasciature. 2. Deformita' congenite : la displasia congenita dell'anca, il piede torto congenito, il torcicollo miogeno. 3.Paramorfismi e dismorfismi: la scoliosi. 4.La malattia artrosica 5. Lombalgie, lombosciatalgie e lombocruralgie. L'ernia del disco lombare: patogenesi, clinica e trattamento. 6.La patologia della spalla: lesioni mio-capsulo-legamentose, lesioni del cercine glenoideo, lesioni osteoarticolari. Le lussazioni di spalla. 7.La patologia del ginocchio: patogenesi, clinica e trattamento delle lesioni meniscali e delle lesioni legamentose. Le lesioni cartilaginee articolari. 8.La patologia del piede: quadri clinici piu' frequenti. 9.Lesioni muscolari e tendinee nello sport: la pubalgia e il gomito del tennista. Elementi di medicina fisica : principi biologici e indicazioni. Elementi di medicina riabilitativa applicata alle patologie dell'apparato muscolo-scheletrico.