



# UNIVERSITÀ DEGLI STUDI DI PALERMO

<b>DEPARTMENT</b>	Biomedicina, Neuroscienze e Diagnostica avanzata		
<b>ACADEMIC YEAR</b>	2019/2020		
<b>MASTER'S DEGREE (MSC)</b>	MEDICINE AND SURGERY		
<b>INTEGRATED COURSE</b>	LOCOMOTOR SYSTEM DISEASES, PHYSIATRICS AND PLASTIC SURGERY - INTEGRATED COURSE		
<b>CODE</b>	13944		
<b>MODULES</b>	Yes		
<b>NUMBER OF MODULES</b>	3		
<b>SCIENTIFIC SECTOR(S)</b>	MED/33, MED/19, MED/34		
<b>HEAD PROFESSOR(S)</b>	CORDOVA ADRIANA	Professore Ordinario	Univ. di PALERMO
	LETIZIA MAURO GIULIA	Professore Ordinario	Univ. di PALERMO
	CORRADINO BARTOLO	Professore Associato	Univ. di PALERMO
<b>OTHER PROFESSOR(S)</b>	CAMARDA LAWRENCE	Professore Ordinario	Univ. di PALERMO
	TOIA FRANCESCA	Professore Ordinario	Univ. di PALERMO
	CORDOVA ADRIANA	Professore Ordinario	Univ. di PALERMO
	LETIZIA MAURO GIULIA	Professore Ordinario	Univ. di PALERMO
	CATALDO PIETRO	Ricercatore	Univ. di PALERMO
	LUCENTI LUDOVICO	Professore Associato	Univ. di PALERMO
	CORRADINO BARTOLO	Professore Associato	Univ. di PALERMO
<b>CREDITS</b>	9		
<b>PROPAEDEUTICAL SUBJECTS</b>			
<b>MUTUALIZATION</b>			
<b>YEAR</b>	5		
<b>TERM (SEMESTER)</b>	2° semester		
<b>ATTENDANCE</b>	Mandatory		
<b>EVALUATION</b>	Out of 30		
<b>TEACHER OFFICE HOURS</b>	<p><b>CAMARDA LAWRENCE</b> Tuesday 12:00 14:00 Clinica Ortopedica - AOUP</p> <p><b>CATALDO PIETRO</b> Friday 11:00 12:00 Via Pascoli c/o Facoltà di Di Scienze Motorie</p> <p><b>CORDOVA ADRIANA</b> Monday 12:00 13:00 direzione plesso chirurgia plastica , padiglione 6 ingresso B</p> <p><b>CORRADINO BARTOLO</b> Thursday 12:00 15:00 Reparto di chirurgia plastica presso l'istituto di Urologia</p> <p><b>LETIZIA MAURO GIULIA</b> Monday 12:00 13:00 Biblioteca della Cattedra di Medicina Fisica e Riabilitativa</p> <p><b>LUCENTI LUDOVICO</b> Tuesday 10:00 11:00 Ortopedia</p> <p><b>TOIA FRANCESCA</b> Tuesday 12:30 14:30 Sezione di Chirurgia Plastica</p>		

**DOCENTE:** Prof. BARTOLO CORRADINO- Sede *HYPATIA*

<b>PREREQUISITES</b>	have completed anatomy and fisiology corses and exams
<b>LEARNING OUTCOMES</b>	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
<b>ASSESSMENT METHODS</b>	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
<b>TEACHING METHODS</b>	lessons

<b>PREREQUISITES</b>	The student must have good anatomical and physiological knowledge of organs and systems, as well as some of the pathophysiology of major diseases notions
<b>LEARNING OUTCOMES</b>	<p>The student the aim of this course is to critically evaluate the musculoskeletal diseases, physical and rehabilitation medicine and plastic surgery.</p> <p>Furthermore, the student must be able to clearly communicate their knowledge and should have developed the learning skills to continue studying independently both the theoretical and practical</p> <p>must know the etiology and natural history of acute and chronic illnesses of orthopedic, physiatric and plastic surgery interest as well as the main multiple mechanisms and characteristics of the different pathologies. Also they will have to learn the basics in specialist disciplines integrated during this course with the ability to use a language with rigorous specific diagnostic reasoning.</p> <p>Applying knowledge and understanding</p> <p>The student will gain basic knowledge on diseases of different modules. They must also gain the ability to indicate the main ways of prevention, diagnosis and therapy. They must gain the ability to analyze and interpret the results in order to define the problem with a professional approach to orthopedic, physiatric and plastic surgery diseases , demonstrating adequate abilities to solve clinical problems.</p> <p>The student will be able to perform diagnostic and therapeutic procedures to correctly recognize the most common specialized topics.</p> <p>Making Judgement</p> <p>The student will know how to identify, formulate and solve problems using the reasoning and scientific knowledge, in order to perform a specialist examination. The student will have to collect and interpret clinical data and to formulate independent diagnostic hypotheses acquiring personal responsibility to take care of individual patients.</p> <p>Communication skills</p> <p>The student will achieve the skills to interact with patients in a suitable manner, establishing and empathic communication; He will listen carefully to understand and synthesize the provided information to encourage the reciprocal understanding with patients and family. They will also interact with other professional figures from different teams.</p> <p>Learning ability</p> <p>The student must acquire an updating ability through the employment of scientific publications and obligatory class attendance to updating courses necessary to undertake subsequent studies independently.</p>
<b>ASSESSMENT METHODS</b>	<p>Oral test</p> <p>Grade out of thirty</p> <p>Excellent 30-30 laude</p> <p>excellent knowledge of the topics, excellent properties of language, good analytical ability, the student is able to apply knowledge to solve problems proposed</p> <p>very good 26-29</p> <p>Good mastery of the subjects, full ownership of the language, the student is able to apply knowledge to solve problems proposed</p> <p>good 24-25</p> <p>Basic knowledge of the main topics, discrete properties of language, with limited ability to independently apply the knowledge to the solution of the proposed problems</p> <p>satisfactory 21-23</p> <p>He does not have full command of the main teaching subjects but it has the knowledge, satisfactory property language, poor ability to independently apply the knowledge acquired</p> <p>sufficient 18-20</p> <p>minimum basic knowledge of the main teaching and technical language issues, very little or no ability to independently apply the knowledge acquired</p> <p>Insufficient does not have an acceptable knowledge of the contents of the topics</p>
<b>TEACHING METHODS</b>	Frontal lessons

**DOCENTE:** Prof.ssa GIULIA LETIZIA MAURO- Sede IPPOCRATE

<b>PREREQUISITES</b>	To have sustained in the first 2 years the exams of physiology and pathology
<b>LEARNING OUTCOMES</b>	The oral and written examinations present the objectives to verify if the student has understood all the plastic surgery topics, and especially when the reconstructive surgeon is required. Knowledge regarding the skin tumors and ability to identify the prognostic risk factors of skin tumors, burns providing the general criteria of treatment. Ability to give prognostic diagnostic and therapeutic hypothesis on the basis of iconographic material (telemedicine). Ability to speak using adequate scientific and accademic terminology.
<b>ASSESSMENT METHODS</b>	The oral and written examinations present the objectives to verify if the student has understood all the plastic surgery topics, and especially when the reconstructive surgeon is required. Knowledge regarding the skin tumors and ability to identify the prognostic risk factors of skin tumors, burns providing the general criteria of treatment. Ability to give prognostic diagnostic and therapeutic hypothesis on the basis of iconographic material (telemedicine). Ability to speak using adequate scientific and accademic terminology.
<b>TEACHING METHODS</b>	Teaching lessons as scheduled Practical lessons as scheduled Signature and stump is required

<b>MODULE</b> <b>PLASTIC SURGERY</b>  <i>Prof. BARTOLO CORRADINO - Sede HYPATIA, - Sede HYPATIA</i>	
<b>SUGGESTED BIBLIOGRAPHY</b>	
- Chirurgia Plastica di Grabb & Smith. - <a href="http://www.echirurgioplastica.it/it/3/ebook.htm">http://www.echirurgioplastica.it/it/3/ebook.htm</a>	
<b>AMBIT</b>	50419-Clinica delle specialità medico-chirurgiche
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30
<b>EDUCATIONAL OBJECTIVES OF THE MODULE</b>	
At the end of the course, the students should have acquired a basic knowledge on: - The basic techniques and the main issues in reconstructive surgery, the tissue healing process, the interactions between biomaterials and the host, as well as the main research fields in plastic surgery; - The main application fields of plastic surgery and the basic principles of treatment; - The main applications of plastic surgery in other medical fields; - The aims and principles of the main aesthetic surgery procedures.	

## SYLLABUS

Hrs	Frontal teaching
2	Principles of plastic surgery
1	Skin wounds
1	Wound healing
2	Burns
2	Skin tumors
2	Grafts
2	Flaps
1	Biomaterials in plastic surgery
1	Basic research in plastic surgery
1	Skin ulcers
2	Main external malformations
1	Vascular malformations and hemangiomas
2	Plastic surgery of the breast
2	Plastic surgery of the head and neck
2	Elective and emergency hand surgery
2	Plastic surgery of the lower limb
2	Plastic surgery of the genital area
2	Principles of aesthetic surgery

**MODULE  
LOCOMOTOR SYSTEM DISEASES**

*Prof. LAWRENCE CAMARDA - Sede CHIRONE, - Sede CHIRONE*

**SUGGESTED BIBLIOGRAPHY**

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

<b>AMBIT</b>	50417-Clinica medico-chirurgica dell'apparato locomotore
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

**EDUCATIONAL OBJECTIVES OF THE MODULE**

The educational aims of the course are aimed at providing students with the necessary knowledge of orthopedic disorders and trauma, in children and in adults, with particular attention to traumatic and degenerative lesions of various joints (shoulder, elbow, spine, hip, knee, etc). For each disease considered the eziopatogenesis be set out, the classification criteria, clinicians, specific signs for the damage identification, imaging, essential for definition of a correct diagnosis and treatment, whether medical or surgical.

**SYLLABUS**

<b>Hrs</b>	<b>Frontal teaching</b>
8	Fractures: classification, clinical features, complications, and mode 'of treatment, with practical exercises of bandages and dressings
7	Deformity 'congenital: congenital hip dysplasia, clubfoot congenital torticollis myogenic
4	Paramorphism and dysmorphic features: scoliosis
5	The arthritic disease
5	Lumbago, sciatica lombocruralgie. The lumbar disc herniation: pathogenesis, clinical and treatment
4	The shoulder pathology: my-capsule-ligament injury, the glenoid labrum injury, bone or joint injuries. The shoulder dislocations
8	The knee disease: pathogenesis, clinical and treatment of meniscal tears and ligament injuries. The articular cartilage lesions
4	The foot disease: most 'frequent clinical pictures
5	muscle and tendon injuries in sport: the groin and tennis elbow

**MODULE  
LOCOMOTOR SYSTEM DISEASES**

*Prof. LUDOVICO LUCENTI - Sede HYPATIA, - Sede HYPATIA*

**SUGGESTED BIBLIOGRAPHY**

<b>AMBIT</b>	50417-Clinica medico-chirurgica dell'apparato locomotore
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

**EDUCATIONAL OBJECTIVES OF THE MODULE**

**MODULE  
LOCOMOTOR SYSTEM DISEASES**

*Prof. LUDOVICO LUCENTI - Sede IPPOCRATE, - Sede IPPOCRATE*

**SUGGESTED BIBLIOGRAPHY**

<b>AMBIT</b>	50417-Clinica medico-chirurgica dell'apparato locomotore
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

**EDUCATIONAL OBJECTIVES OF THE MODULE**

**MODULE**  
**PHYSICAL AND REHABILITATIVE MEDICINE**

*Prof. PIETRO CATALDO - Sede HYPATIA, - Sede HYPATIA*

**SUGGESTED BIBLIOGRAPHY**

Powerpoint delle lezioni  
Lezioni di medicina riabilitativa  
Autore: Caruso , Editore: Cic

<b>AMBIT</b>	50417-Clinica medico-chirurgica dell'apparato locomotore
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

**EDUCATIONAL OBJECTIVES OF THE MODULE**

Provide the basic knowledge for the proper execution of the movement, the maintenance of muscular function and neuro-motor recovery through proper assessment and joint functional gain knowledge on disability and its forms of rehabilitation treatment, know the physical therapy and its applications.

Provide the basic knowledge of the terminology, concepts and principles that are fundamental in the process auxological for the development of motor activity; to learn the fundamentals of the theory and methodology of the movement Human in a cognitive-behavioral perspective, based on biomechanical and neurological processes underlying the production of motion control and motor learning

**SYLLABUS**

<b>Hrs</b>	<b>Frontal teaching</b>
4	Active and passive therapeutic exercise
8	physical therapy
8	Clinical and instrumental evaluation of motor function
5	Treatment of gait disorders
5	Special rehabilitation methods Impairment, disability and handicap and rehabilitation facilities

## MODULE PLASTIC SURGERY

*Prof.ssa ADRIANA CORDOVA - Sede CHIRONE, - Sede CHIRONE*

### SUGGESTED BIBLIOGRAPHY

Materiale didattico

TESTI:

- [www.echirurgiaplastica.it](http://www.echirurgiaplastica.it), la chirurgia plastica online per lo studente
- Chirurgia Plastica di Grabb & Smith

<b>AMBIT</b>	50419-Clinica delle specialità medico-chirurgiche
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

### EDUCATIONAL OBJECTIVES OF THE MODULE

At the end of the course the students will be able to know the main problems of reconstructive character, the ways of healing of the tissues, the modality of interaction between host organism and biomaterials, as well as the fields of application of stem cells derived from tissue. adipose in reconstructive surgery and the modalities of peripheral nerve regeneration, including the use of biomaterials and stem cells. To know the main pathologies of interest of the plastic surgery and their treatment principles. Know the main fields of application of plastic and reconstructive surgery also in the context of other disciplines. Knowing the purpose and the main cosmetic surgery

## SYLLABUS

Hrs	Frontal teaching
2	General information on plastic surgery
1	Skin wounds
1	healing
2	Burns
2	Non Melanoma skin cancer
2	Grafts
2	biomaterials in plastic surgery
2	flaps
2	lipofilling and adipose stem cells
2	ulcers
2	external malformations
2	Elective and emergency surgery of the hand
2	fundamentals in aesthetic surgery
2	Breast Surgery
2	Head and Neck Surgery
2	Vascular malformations and hemangiomas

## MODULE PLASTIC SURGERY

*Prof.ssa FRANCESCA TOIA - Sede IPPOCRATE, - Sede IPPOCRATE*

### SUGGESTED BIBLIOGRAPHY

Chirurgia Plastica Ricostruttiva ed Estetica. Francesco D'Andrea - Fabrizio Schönauer. Piccin. settembre 2022  
 - Chirurgia specialistica. Con e-book - Francesco Minni - Libro <https://www.ibs.it> > Libri > Medicina > Chirurgia  
 - Chirurgia Plastica di Grabb & Smith. LWW, 2013 ISBN 10: 1451109555 ISBN 13: 9781451109559

<b>AMBIT</b>	50419-Clinica delle specialità medico-chirurgiche
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

### EDUCATIONAL OBJECTIVES OF THE MODULE

At the end of the course, the students should have acquired a basic knowledge on:

- The basic techniques and the main issues in reconstructive surgery, the tissue healing process, the interactions between biomaterials and the host, as well as the main research fields in plastic reconstructive and regenerative surgery;
- The main application fields of plastic surgery and the basic principles of treatment;
- The main applications of plastic surgery in other medical fields;
- The aims and principles of the main aesthetic surgery procedures.

## SYLLABUS

Hrs	Frontal teaching
2	Principles of plastic surgery
1	Wound healing
1	Skin wounds
2	Burns
4	Skin tumors
2	Grafts
2	Flaps
1	Skin ulcers
2	Main external malformations
1	Infections in plastic surgery
2	Plastic surgery of the breast
2	Plastic surgery of the head and neck
2	Elective and emergency hand surgery
2	Plastic surgery of the lower limb
1	Plastic surgery of the genital area
1	Gender dysphoria
2	Principles of aesthetic surgery



**MODULE  
PHYSICAL AND REHABILITATIVE MEDICINE**

*Prof.ssa GIULIA LETIZIA MAURO - Sede CHIRONE, - Sede CHIRONE*

**SUGGESTED BIBLIOGRAPHY**

**TESTI CONSIGLIATI**

Powerpoint delle lezioni Valobra –  
Nuovo trattato di Medicina Fisica e Riabilitazione Brotzman  
La Riabilitazione in Ortopedia

<b>AMBIT</b>	50417-Clinica medico-chirurgica dell'apparato locomotore
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

**EDUCATIONAL OBJECTIVES OF THE MODULE**

**Knowledge and Comprehension skills**

Students have to know the Neurological basic principles of Medicine Physical Therapy and Rehabilitation; students have to know the main theories for every body part mostly for the elderly.

**Knowledge and comprehension applications abilities**

The aim of the course is to identify scientific and social causes of diseases in elderly patients. Students should be able to provide information about diseases and patients behavior due to disability.

**Making judgement**

This process has to be secondary to an accurate study of the discipline and to a self-reflection that will lead to the formation of their own ideas on the ways in which the disease and behavior of individuals can be explained.

**Communication skills**

It is expected that students are able to communicate in a clear and unambiguous way with conclusions dictated by the study of the discipline and personal reflection.

**Learning ability**

The student is responsible for their own research and evaluation process by constantly updating their data.

**SYLLABUS**

<b>Hrs</b>	<b>Frontal teaching</b>
2	General physical therapy
2	Physical therapy
2	Therapeutic exercise
2	Metabolic diseases of the bone
2	Rehabilitative approach to metabolic bone diseases
2	Rehabilitative neck femoral fracture treatment
2	Painful shoulder rehabilitation
2	Functional rehabilitation and physical therapy in the distortion of the tibio-peroneo-astragalic articulation
2	Fibromyalgia and rehabilitation treatment
2	Paramorphism and dysmorphism of the spine and rehabilitation treatment
2	Rehabilitation in Parkinson's disease
2	General information on disability
2	Disability evaluation and treatment
2	Physiatric visit
2	Organization of rehabilitation facilities and Rehabilitation Team / Protocols

**MODULE  
PHYSICAL AND REHABILITATIVE MEDICINE**

*Prof.ssa GIULIA LETIZIA MAURO - Sede IPPOCRATE, - Sede IPPOCRATE*

**SUGGESTED BIBLIOGRAPHY**

**TESTI CONSIGLIATI**

Powerpoint delle lezioni Valobra –  
Nuovo trattato di Medicina Fisica e Riabilitazione Brotzman  
La Riabilitazione in Ortopedia

<b>AMBIT</b>	50417-Clinica medico-chirurgica dell'apparato locomotore
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**SYLLABUS**

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2	Organization of rehabilitation facilities and Rehabilitation Team / Protocols