



# UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata		
ACADEMIC YEAR	2016/2017		
MASTER'S DEGREE (MSC)	MEDICINE AND SURGERY		
SUBJECT	HUMAN ANATOMY I		
TYPE OF EDUCATIONAL ACTIVITY	A		
AMBIT	50424-Morfologia umana		
CODE	17708		
SCIENTIFIC SECTOR(S)	BIO/16		
HEAD PROFESSOR(S)	CAPPELLO FRANCESCO	Professore Ordinario	Univ. di PALERMO
	BUCCHIERI FABIO	Professore Ordinario	Univ. di PALERMO
	VALENTINO BIAGIO	Professore a contratto in quiescenza	Univ. di PALERMO
OTHER PROFESSOR(S)			
CREDITS	5		
INDIVIDUAL STUDY (Hrs)	75		
COURSE ACTIVITY (Hrs)	50		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	1		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	<p><b>BUCCHIERI FABIO</b>  Monday 08:00 10:00 Si riceve soltanto con prenotazione tramite email  Wednesday 08:00 10:00 Si riceve soltanto con prenotazione tramite email</p> <p><b>CAPPELLO FRANCESCO</b>  Monday 10:00 12:00 Plesso di Anatomia Umana ed Istologia, Dipartimento di Biomedicine, Neuroscienze e Diagnostica Avanzata.  Wednesday 10:00 12:00 Plesso di Anatomia Umana ed Istologia, Dipartimento di Biomedicine, Neuroscienze e Diagnostica Avanzata.</p> <p><b>VALENTINO BIAGIO</b>  Wednesday 09:30 11:30 Palermo - Dipartimento BIONEC</p>		

**DOCENTE:** Prof. BIAGIO VALENTINO- Sede HYPATIA

<b>PREREQUISITES</b>	Histology
<b>LEARNING OUTCOMES</b>	<p>Conoscenza e capacita' di comprensione: Acquisizione delle gerarchie costitutive del corpo umano e loro distribuzione topografica. Riconoscimento delle caratteristiche strutturali a vario livello delle pareti del torace, del collo, degli arti e dei sistemi cardiovascolare, respiratorio e linfatico. Comprensione dell'organogenesi e delle modificazioni determinate dall'invecchiamento. Capacita' di applicare conoscenza e comprensione: Capacita' di riconoscere in autonomia le strutture che costituiscono le pareti del torace, del collo e gli arti, nonché le strutture dell'apparato cardiovascolare, respiratorio e del sistema linfatico. Autonomia di giudizio: Essere in grado di valutare le implicazioni e i risultati delle modificazioni strutturali delle regioni anatomiche oggetto di studio. Abilita' comunicative: Capacita' di descrivere e commentare i risultati degli studi topografici e sistematici e di relazionarsi con i colleghi. Capacita' d'apprendimento: Capacita' di aggiornamento mediante la consultazione delle pubblicazioni scientifiche proprie del settore attraverso l'utilizzo della rete informatica. Capacita' di proseguire compiutamente gli studi medici, utilizzando le conoscenze acquisite nel corso.</p>
<b>ASSESSMENT METHODS</b>	Prova orale o eventualmente scritta
<b>EDUCATIONAL OBJECTIVES</b>	<p>CHEST; THE NECK; THE LIMBS; The CARDIOVASCULAR; THE RESPIRATORY SYSTEM; THE LYMPHATIC SYSTEM. overall objective of the module and 'providing systematic and topographic anatomical basis of the constitution of the orace walls, neck and limbs to include vascular and nerve structures, as well as' the main changes that occur with aging. The course also will provide 'the morphological and topographical bases related to the cardiovascular, respiratory and lymphatic system. Specific Objective and 'achieve a good level of knowledge of topographical features, macroscopic, microscopic and ultrastructural chest, neck, limbs, heart, of sanguiferi vessels, airways, lungs and lymphatic system. main objective and 'reach the capacity' of pathophysiological reasoning, also using the methodological tools evidence based medicine.</p>
<b>TEACHING METHODS</b>	Frontal lesson
<b>SUGGESTED BIBLIOGRAPHY</b>	<p>Anatomia del Gray – Le basi anatomiche della pratica clinica – Elsevier 2009; Testo Atlante di Anatomia – Prometheus - E. Gaudio (a cura di)– Edises seconda edizione; Martini F.H., Timmonds M.J., Tallitsch R.B.: Anatomia Umana - Edises Quinta Edizione– 2012; Anatomia dell'apparato locomotore - Farina F. (a cura di) – Elsevier.</p>

## SYLLABUS

Hrs	Frontal teaching
50	<p>2 anatomical terminology 2 Generalities on skeletal segments: classification, structure and growth  2 Overview of joints 2 Generalities on skeletal muscles 2 The spine 6 Upper Limb  6 Leg 2 The chest wall 2 The mediastinum  1 Thyme 1 lindonodi 1 lymphopoietic System  The pericardium 6 1 2 The heart of the vessel structure 1 The arterial tree  1 The venous tree</p>

<b>PREREQUISITES</b>	In order to understand the topics included in this module and reach the teaching objectives, the student must acquire knowledge on the structure and the ultrastructure of cells, tissue organization, and the evolution of the various stages of embryonic and fetal development.
<b>LEARNING OUTCOMES</b>	<p>Knowledge and understanding: Acquisition of knowledge on the structural hierarchies of the human body and their topographic distribution. Discerning the structural characteristics at various levels of the chest wall, neck and limbs, as well as the cardiovascular, respiratory and lymphatic systems. Understanding organogenesis and changes determined by aging.</p> <p>Capacity to apply knowledge and understanding: Capacity to independently identify the structures that make up the chest walls, neck and limbs, as well as those of the cardiovascular, respiratory and lymphatic systems.</p> <p>Independent analytic ability: Ability to evaluate the implications and consequences of structural changes within the anatomical regions under study.</p> <p>Communication ability: Ability to describe and comment on the results of topographic and systematic studies, and to interact with colleagues.</p> <p>Learning capacity: Capacity to keep up to date through consultation of scientific publications in the appropriate field using internet. Capacity to complete their medical studies using the knowledge acquired during this course.</p>
<b>ASSESSMENT METHODS</b>	<p>Oral examination, aimed at ascertaining the acquisition of competence and knowledge on the module topics. Evaluation is expressed through a 30-point grading scale. The candidate will be asked a minimum of two questions in order to verify the knowledge acquired, analytic skills, and possession of adequate expressive ability.</p> <p>Grade: 30 - 30 Cum Laude Rating: EXCELLENT Outcome: excellent knowledge of the module content; the student shows outstanding analytic and synthetic abilities and is able to apply the acquired knowledge to solve extremely complex problems.</p> <p>Grade: 27 - 29 Rating: VERY GOOD Outcome: very good knowledge of the module content and terminology; the student displays clear analytic and synthetic abilities and is able to apply the acquired knowledge to solve intermediate complex problems and, in certain cases, highly complex ones.</p> <p>Grade: 24 - 26 Rating: GOOD Outcome: good knowledge of the module content and terminology; the student is able to apply the acquired knowledge to solve intermediate complex problems.</p> <p>Grade: 21 - 23 Rating: SATISFACTORY Outcome: satisfactory knowledge of the module content, in certain cases limited to the main topics; the student shows an acceptable degree of ability for using appropriate terminology and for independent application of the acquired knowledge.</p> <p>Grade: 18 - 20 Rating: SUFFICIENT Outcome: minimal knowledge of the module content, often limited to the main topics; the student shows a moderate degree of ability for using appropriate terminology and for independent application of the acquired knowledge.</p> <p>Grade: below 18 Rating: INSUFFICIENT (EXAM FAILED) Outcome: the student does not possess an acceptable degree of knowledge on the main topics of the module; he/she shows very little or no ability for using appropriate terminology and for independent application of the acquired knowledge.</p>
<b>EDUCATIONAL OBJECTIVES</b>	The overall objective of this course is to provide a systematic and topographic anatomical overview of the structure of the chest wall, neck and limbs, including the vascular and nerve structures, as well as the main changes that occur with aging. The course also will provide the morphologic and topographic foundations on the cardiovascular, respiratory and lymphatic systems. The specific aim is to achieve a good level of knowledge on the topographic, macroscopic, microscopic and ultrastructural characteristics of the chest, neck, limbs, heart, blood vessels, airways, lungs and lymphatic system. The main objective is to acquire pathophysiological analytic abilities, also through the use of methodological tools of evidence-based medicine.
<b>TEACHING METHODS</b>	Lectures
<b>SUGGESTED BIBLIOGRAPHY</b>	Anatomia del Gray – Le basi anatomiche della pratica clinica – Elsevier 2009; Testo Atlante di Anatomia – Prometheus - E. Gaudio (a cura di)– Edises seconda edizione; Martini F.H., Timmonds M.J., Tallitsch R.B.: Anatomia Umana - Edises, Quinta Edizione– 2012; Anatomia dell'apparato locomotore - Farina F. (a cura di) – Elsevier.

## SYLLABUS

Hrs	Frontal teaching
2	Anatomical terminology
2	Overview on skeletal segments: classification, structure and growth
2	Overview on joints
2	Overview on skeletal muscles
6	Upper limb
6	Lower limb
3	Spine
2	Neck
2	Chest wall
2	Mediastinum
1	Pleural cavities
1	Lower airways
2	Lungs
1	Pericardium
6	Heart
2	Structure of blood vessels
2	Arterial tree
2	Venous tree
1	Lymphopoietic system
1	Thymus gland
1	Lymph nodes
1	Lymphatic vessels

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