UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata		
ACADEMIC YEAR	2018/2019		
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)	RAPPA FRANCESCA	Professore Associato	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	**BUCCHIERI FABIO**		
	Monday 08:00 10:00 Si riceve soltanto con prenotazione tramite email		
	Wednesday 08:00 10:00 Si riceve soltanto con prenotazione tramite email		
	RAPPA FRANCESCA		
	Monday 10:00 12:00 Plesso di Anatomia Umana e Istologia, Via del Vespro 129, Palermo. Si riceve soltanto con prenotazione tramite email		
	Wednesday 10:00 12:00 Plesso di Anatomia Umana e Istologia, Via del Vespro 129, Palermo. Si riceve soltanto con prenotazione tramite email		
	VALENTINO BIAGIO		
	Wednesday 09:30 11:30 Palermo - Dipartimento BIIONEC		

DOCENTE: Prof. BIAGIO VALENTINO- *Sede HYPATIA*

PREREQUISITES	
LEARNING OUTCOMES	
ASSESSMENT METHODS	
EDUCATIONAL OBJECTIVES	
TEACHING METHODS	
SUGGESTED BIBLIOGRAPHY	

PREREQUISITES	In order to understand the topics included in this course 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.
LEARNING OUTCOMES	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. 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. Independent analytic ability: Ability to evaluate the implications and consequences of structural changes within the anatomical regions under study. Communication ability: Ability to describe and comment on the results of topographic and systematic studies, and to interact with colleagues. 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.
ASSESSMENT METHODS	Oral examination, aimed to 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, the first one on a wider subject, in order to verify the knowledge acquired, analytic skills, and possession of adequate expressive ability. However, in case of significant incompetency on fundamental topics by the examinee, the exam can be interrupted even after a single question. 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. 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. 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. 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. 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. 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.
EDUCATIONAL OBJECTIVES	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.
TEACHING METHODS	Lectures
SUGGESTED BIBLIOGRAPHY	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	Introduction to Human Anatomy. 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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6	Lower limb.
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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.
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1	Lymphatic vessels.