UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze e Tecnologie Biologiche, Chimiche e Farmaceutiche
ACADEMIC YEAR	2021/2022
BACHELOR'S DEGREE (BSC)	BIOLOGICAL SCIENCES
SUBJECT	HUMAN ANATOMY
TYPE OF EDUCATIONAL ACTIVITY	D
AMBIT	10457-A scelta dello studente
CODE	91706
SCIENTIFIC SECTOR(S)	BIO/16
HEAD PROFESSOR(S)	CAPPELLO FRANCESCO Professore Ordinario Univ. di PALERMO
OTHER PROFESSOR(S)	
CREDITS	6
INDIVIDUAL STUDY (Hrs)	102
COURSE ACTIVITY (Hrs)	48
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	3
TERM (SEMESTER)	2° semester
ATTENDANCE	Not mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	**CAPPELLO FRANCESCO** 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.

DOCENTE: Prof. FRANCESCO CAPPELLO

PREREQUISITES	In order to understand the topics included in this integrated 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: knowledge of the skull and the abdominal and pelvic regions; understanding of the position and relationships of the organs contained in the neuraxial cavities and in the abdominal-pelvic cavity; recognition of the structural and ultrastructural characteristics of the organs and systems under study.
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(ECTS grade A-A+ 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 (ECTS grade B 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 (ECTS grade C Good) 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 (ECTS grade D satisfactory) 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 (ECTS grade E sufficient) Rating: SUFFICIENT Outcome: minimal knowledge of the module content, often limited to the maintopics; the student shows a moderate degree of ability for using appropriate terminology and for independent application of the acquired knowledge. Grade: 1- 17 Rating: INSUFFICIENT (EXAM FAILED) (ECTS grade F Fail) 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	Knowledge on macroscopic and microscopic aspects of human body. Knowledge on essential morphological aspects of human body systems and their morphofunctional relations.
TEACHING METHODS	Lessons
SUGGESTED BIBLIOGRAPHY	Anatomia Umana, Seeley, Vanputte, Regan. Idelson Gnocchi editore. Tutte le edizioni sono equivalenti. Anatomia Umana, Martini FH, Tallitsch RB, Nath JL. EDISES. Tutte le edizioni sono equivalenti.

SYLLABUS

Hrs	Frontal teaching
4	Organization of the body. General Anatomical Terminology. Body Regions and Body Cavities.
4	Overview of the Skeleton. The Axial Skeleton. The Appendicular Skeleton. Joints and Their Classification.
2	The Muscular System: Muscle Types and Functions; General Anatomy of Muscles.
2	Overview of the Circulatory System. General Anatomy of the Blood Vessels.
4	Gross Anatomy of the Heart. The Cardiac Conduction System and Cardiac Muscle. Coronary Circulation and Nerve Supply.
2	The Circulatory System: The Pulmonary Circuit, the Systemic Vessels. The Lymphatic System: Lymph and Limphatic Vessels: Limphatic Tissues and Organs.
2	The Respiratory System: Overview of the Respiratory System; the upper Respiratory Tract; the Lower Respiratory Tract.
2	The Digestive System: Oral cavity, pharynx, esophagus, stomach, small intestine, large intestine.
2	The Digestive System: Liver, Gallbladder and Bile Passages; Pancreas.
2	The Urinary System: Anatomy of the Kidney, Ureters, Urinary Bladder, Urethra.
2	Female Reproductive System
2	Male Reproductive System
2	Endocrine and neuroendocrine system.
2	Skin and skin appendages
2	Introduction to Neuroanatomy

SYLLABUS

Hrs	Frontal teaching
2	Spinal cord , spinal nerves, spinal meninges.
4	Brain, encephalic meninges, vascularization of the spinal cord and brain, cranial nerves.
2	Somatosensory pathways Somatic motor pathways.
4	Ear, Eye and ocular adnexa.