UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Psicologiche, Pedagogiche, dell'Esercizio Fisico e della Formazione		
ACADEMIC YEAR	2020/2021		
BACHELOR'S DEGREE (BSC)	PHYSICAL EDUCATION AND SPORT SCIENCES		
INTEGRATED COURSE	HUMAN MORPHOLOGY AND NEURO-MOTILITY		
CODE	20671		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	M-EDF/01, BIO/16		
HEAD PROFESSOR(S)	PALMA ANTONIO	Professore Ordinario	Univ. di PALERMO
OTHER PROFESSOR(S)	BARONE ROSARIO	Professore Associato	Univ. di PALERMO
	CAPPELLO FRANCESCO	Professore Ordinario	Univ. di PALERMO
	THOMAS EWAN	Professore Associato	Univ. di PALERMO
	PALMA ANTONIO	Professore Ordinario	Univ. di PALERMO
CREDITS	12		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	1		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Not mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	**BARONE ROSARIO**		
	Friday 11:00 13:00 Sezione Anatomia Umana e Istologia, Dipartimento Bionec		
	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.		
	PALMA ANTONIO		
	Wednesday 10:00 12:00 Via Giovanni Pascoli N. 6 o su piattaforma Teams da concordare tramite e-mail.		
	THOMAS EWAN		
	Tuesday 10:00 13:00 Via Giovanni Pascoli n°6, Secondo Piano; Aula Virtuale Teams		
	Wednesday 13:00 14:00 Aula 101, Plesso di Agrigento (Al termine delle lezioni frontali)		

DOCENTE: Prof. ANTONIO PALMA

PREREQUISITES	Knowledge of biology
LEARNING OUTCOMES	Students have demonstrated knowledge and understanding in a field of anatomic study that builds upon and their general secondary education, and is typically at a level that, whilst supported by advanced textbooks, includes some aspects that will be informed by knowledge of the forefront of their field of study; - can apply their knowledge and understanding in a manner that indicates a professional approach to their work or vocation, and have competences typically demonstrated through devising and sustaining arguments and solving problems within their field of anatomic study; - have the ability to gather and interpret relevant data in field of anatomic study to inform judgements that include reflection on relevant social, scientific or ethical issues; - can communicate information, ideas, problems and solutions to both specialist and non-specialist audiences about tissue, organs and systems of the human body - have developed those learning skills that are necessary for them to continue to undertake further study with a high degree of autonomy.
ASSESSMENT METHODS	The assessment provides two moments: 1) a written in itinere exam 2) a orale exam 2) Written test: The exam consists in questions with multiple choice. The questions are structured so as to allow students to formulate their answers through the possibility to compare the submitted answers. Regarding oral in itinere exam, the student will have to answer at least 3-4 questions in the oral form. The exam aims at verifying knowledge, interpretative competence and autonomy of judgement of concrete cases. The passing grade threshold will be considered reached if the student shows to have acquired the topics of the specific subject matter and is able to solve specific concrete cases as well as to correctly convey knowledge with satisfactory expository skills. Below the above-mentioned threshold, the exam will be considered unsatisfactory. The more the student can interact with his\her examiner showing mastery of language, of the specific subject matter and ability to convey his\her knowledge of the topics of the specific field of reference, the more the assessment will be positive. The latter will be expressed by 18 to 30-30 with honours marks. 2) Oral exam: Regarding oral in itinere exam, the student will have to answer at least 3-4 questions in the oral form. The exam aims at verifying knowledge, interpretative competence and autonomy of judgement of concrete cases. The passing grade threshold will be considered reached if the student shows to have acquired the topics of the specific subject matter and is able to solve specific concrete cases as well as to correctly convey knowledge with satisfactory expository skills. Below the above-mentioned threshold, the exam will be considered unsatisfactory. The more the student can interact with his\her examiner showing mastery of language, of the specific subject matter and ability to convey his\her knowledge of the topics of the specific field of reference, the more the assessment will be positive. The latter will be expressed by 18 to 30-30 with honours marks. The final assessment included the mean value of two exams/30. The assessment has a final grade included in the following range: 30-30 with honours (excellent), corresponding to 'excellent knowledge of topics, excellent use of language, good analytical skills, the student can implement his \her knowledge to solve the submitted issues'; 26-29 (very good), 'good mastery of topics, very good use of language, the student can implement his\her knowledge in order to solve the submitted issues'; 24-25 (good), corresponding to 'basic knowledge of the main topics, fair use of language, with moderate capability to independently implement knowledge to solve the submitted issues'; 21-23 (satisfactory), 's\he doesn't possess full mastery of the main teaching topics but s \he possesses knowledge of them, satisfactory use of language, poor capability to independently implement the acquired knowledge'; 18-20 (passing grade), 'very poor basic knowledge of both the main teaching topics and the technical skills, no or very poor capability to independently implement the acquired knowlege'; unsatisfactory, 's\he doesn't possess an acceptable knowledge of the contents of the topics dealt with during the course'.
TEACHING METHODS	Frontal lectures, workshops, labs

MODULE
THEORY AND METHODOLOGY OF HUMAN MOTION

Prof. ANTONIO PALMA - Lettere A-L, - Lettere A-L

SUGGESTED BIBLIOGRAPHY

Casolo Francesco: Lineamenti di teoria e metodologia del movimento umano, V&P Universita; 2002.
Schmidt R.A., Wrisberg C.A. Apprendimento motorio e prestazione. Societa' Stampa Sportiva. Roma; 2000.
Materiale didattico reso disponibile dal docente.

AMBIT	50101-Discipline motorie e sportive
INDIVIDUAL STUDY (Hrs)	98
COURSE ACTIVITY (Hrs)	52

EDUCATIONAL OBJECTIVES OF THE MODULE

The course aims to provide theoretical and practical knowledge on the motor learning and the human movement.

SYLLABUS

Hrs	Frontal teaching
4	Movement functions. Stages of evolution of motricity.
6	Classification and evaluation of the reflex movement.
4	Voluntary and controlled motricity.
2	Automated motricity and movement structures.
2	Examples of technical and practical exercises on stations and positions.
2	Glossary of gymnastic and sports terms.
8	Conditional and Coordination skills. Motor control theory.
4	Examples of technical and practical exercises on postures.
4	Examples of technical and practical exercises on postural patterns.
8	Examples of technical and practical exercises on motor patterns.
4	Examples of technical and practical exercises on conditional skills.
4	Examples of technical and practical exercises on coordination skills.

MODULE
HUMAN ANATOMY II

Prof. FRANCESCO CAPPELLO - Lettere M-Z, - Lettere M-Z

SUGGESTED BIBLIOGRAPHY	
Martini F.H. e coll.: Anatomia umana. Edises, ult. ed.	
AMBIT	50100-Biologico
INDIVIDUAL STUDY (Hrs)	108
COURSE ACTIVITY (Hrs)	42
EDUCATIONAL OBJECTIVES OF THE MODULE	
Knowledge of the organization of the human body from the macroscopic to the microscopic level. Knowledge of morphological characteristics digestive, urinary, male and female genital, endocrine and of organizational levels of the nervous system and their main morphofunctional correlations.	

SYLLABUS

Hrs	Frontal teaching
6	The digestive system. Oral cavity. The pharynx. The alimentary canal: esophagus, stomach, small and large intestines. structural organization of the alimentary canal. Liver and pancreas.
8	The urogenital tract. Kidney and the urinary tract. Structural organization. The gonad and genital tract in male. The gonad and genital tract in women.
2	Morphology of the neuraxis and roofing membranes. The nevrassiali cavity and the cerebral spinal fluid.
2	The spinal cord and the brain.
2	Structural organization of the central nervous system. The spinal nerve. II spinal reflex. The organization of the gray truncal.
2	Sensory systems of the spinal nerves and cranial nerves.
2	The receptors. The sensory system exteroceptive (epicritic and protopathic).
2	Conscious and unconscious proprioceptive system. The interoceptive system.
2	The motor function: morphological bases.
2	The pyramidal system.
2	The extrapyramidal system.
2	Sympathetic and parasympathetic vegetative system.
2	The olfactory sensory systems, optical, acoustic and state-taste.
6	The endocrine system. The pituitary and pineal gland, thyroid and parathyroid. Pancreatic islets. The adrenal glands.