



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Scienze Psicologiche, Pedagogiche, dell'Esercizio Fisico e della Formazione		
ACADEMIC YEAR	2019/2020		
MASTER'S DEGREE (MSC)	SCIENCE OF PREVENTIVE AND ADAPTED PHYSICAL ACTIVITY AND SPORT PERFORMANCE		
INTEGRATED COURSE	PHYSICAL EXERCISE PLANNING IN DISABILITIES - INTEGRATED COURSE		
CODE	17884		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	MED/33, M-EDF/01		
HEAD PROFESSOR(S)	BATTAGLIA GIUSEPPE	Professore Associato	Univ. di PALERMO
OTHER PROFESSOR(S)	BATTAGLIA GIUSEPPE	Professore Associato	Univ. di PALERMO
	IOVANE ANGELO	Professore Associato	Univ. di PALERMO
CREDITS	12		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	1		
TERM (SEMESTER)	2° semester		
ATTENDANCE	Not mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	BATTAGLIA GIUSEPPE Tuesday 10:00 12:30 Si informano i prenotati che il ricevimento studenti si svolgera tramite Microsoft teams collegandosi a RICEVIMENTO STUDENTI PROF. G BATTAGLIA utilizzando il seguente codice di accesso.: 5b3x17r IOVANE ANGELO Wednesday 11:30 13:00 Via pascoli secondo piano		

DOCENTE: Prof. GIUSEPPE BATTAGLIA

PREREQUISITES	Knowledge of theory and methodology of training and of neurology
LEARNING OUTCOMES	<p>Students have demonstrated knowledge and understanding in adapted physical activity that is founded upon and extends and/or enhances that typically associated with Bachelor's level, and that provides a basis or opportunity for originality in developing and/or applying ideas, often within a research context;</p> <ul style="list-style-type: none">- Students can apply their knowledge and understanding in the adapted physical activity, and problem solving abilities in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study of adapted physical activity;- Students have the ability to integrate knowledge and handle complexity, and formulate judgments with incomplete or limited information, but that include reflecting on social and ethical responsibilities linked to the application of their knowledge and judgments in adapted physical activity;- Students can communicate their conclusions, and the knowledge and rationale underpinning these, to specialist and non-specialist audiences clearly and unambiguously about in adapted physical activity;- Students have the learning skills to allow them to continue to study in a manner that may be largely self-directed or autonomous.
ASSESSMENT METHODS	<p>The exam is an oral exam aimed at verifying the competences and skills to be acquired at the end of the course. The purpose of the questions is to verify knowledge of contents to be acquired at the end of the course, as well as analytical and expository skills. Knowledge check includes scrutiny of the capability to establish relationships between contents, theories, patterns and methodologies which have been an object of study during the course. As far as analytical skills are concerned, check will aim at verifying that the student has achieved at least one of the following goals: - make judgements and opinions about the disciplinary contents - understand applications and/or implications of the disciplinary contents within the specific discipline of reference - set the disciplinary contents within the professional, technological and sociocultural setting of reference. The student will have to answer at least two/three questions in the oral form about aspects of the syllabus with reference to the suggested textbooks. The exam aims at verifying knowledge and understanding of topics, 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 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.</p>
TEACHING METHODS	Frontal and practical lectures

MODULE
LOCOMOTOR SYSTEM DISEASES AND RELATED IMAGE DIAGNOSTICS

Prof. ANGELO IOVANE

SUGGESTED BIBLIOGRAPHY

M solarino – A Iovane – R Suter: Principi di diagnostica per immagini in medicina dello sport, Edises, 2014.
Manuale di Medicina dello Sport – P. Zeppilli, V. Calmieri – CESI – Roma, 2011. Materiale didattico reso disponibile dal docente

AMBIT	50541-Biomedico
INDIVIDUAL STUDY (Hrs)	108
COURSE ACTIVITY (Hrs)	42

EDUCATIONAL OBJECTIVES OF THE MODULE

Acquisition of the imaging competences related to sports and exercise training
Acquisition of imaging terminology.
The educational aims of the course are aimed at providing students with the necessary knowledge of orthopedic disorders and trauma, in evolutionary and age adults, with particular attention to joint damage and muscle-tendon more frequent in sports. For each considered to be set out the disease etiology, with specific reference to the incorrect gestures sports, clinical, specific signs for the identification of the damage, imaging, essential to the definition of a correct diagnosis, and therapy, whether medical, surgical or physiotherapy. They will not leave out the necessary prevention rules necessary to reduce the incidence of diseases of the musculoskeletal system and the acquisition of the essential methods of post-traumatic immobilization.

SYLLABUS

Hrs	Frontal teaching
6	presentation of the course with directions to the program to be carried out and its development Physical principles of imaging methods: effects of biological effects of ionizing radiation Possibilities, limits, directions in several imaging method
6	Contraindications and risks of different imaging modalities Elementary knowledge about the anatomical Clinical characteristics of the different radiological methods with reference to the apparatus muscle - tendon bone and joint
8	Traumatic joint, direct and indirect muscular and tendon and shoulder pathology secondary to sport from clinical diagnosis to imaging
3	elbow disorders, hand and wrist secondary to sport from clinical to imaging
3	Pathologies of the spine secondary to sport from clinical to imaging
3	Pathology of sports overload from clinical to imaging
3	hip disease and secondary pubic region to sport from clinical to imaging
3	secondary diseases of the knee to the sport from clinical to imaging
3	Pathologies of the ankle and foot secondary to sport from clinical to imaging
2	Main prevention rules necessary to reduce the incidence of diseases of the musculoskeletal system Notions of therapy, -the diseases previously treated with the acquisition of the essential methods of post-traumatic immobilization. Integrated diagnostic algorithms for situation assessments most common clinical

MODULE
SCIENCE AND TECHNIQUE OF ADAPTED MOTORIAL AND SPORT ACTIVITY

Prof. GIUSEPPE BATTAGLIA

SUGGESTED BIBLIOGRAPHY

Bianco Anna, Tasso Emilia, Jean Bilard, Ninot Gregory Varray Alain: Insegnare e far vivere le attivita' fisiche adattate. Edizioni La Lontra-Busalla 2005;

- Van Copponeo Herman: Programma Europeo di Attivita' Fisica Adattata. 3001 Heverlee, Belgium;

- Luigi Bertini – Attivita' sportive Adattate - Calzetti Mariucci editore, 2005;

- Dispense del docente.

AMBIT	50540-Discipline motorie e sportive 21001-Attività formative affini o integrative
INDIVIDUAL STUDY (Hrs)	98
COURSE ACTIVITY (Hrs)	52

EDUCATIONAL OBJECTIVES OF THE MODULE

The course aims to provide theoretical and practical knowledge on the training methods depending on age, gender, and the morphological characteristics of the subjects and the type of disability

SYLLABUS

Hrs	Frontal teaching
3	Presentation of the course. Adapted physical activity (APA): a pluralistic concept
3	Traditional medical classifications: physical disabilities (spinal cord, brain injuries, amputations, Les Autres, functional classifications)
3	Traditional medical classifications: sensory impairment (vision and hearing), and intellectual and relational disabilities
3	The methodological principles of the APA
3	The European program of the APA
3	The wheelchair basketball: analytical study of the player in a wheelchair, the push technique, the individual basic attack with the ball and without the ball, the classification of the IWBF, the methodology of training in wheelchair basketball
3	The sitting volleyball: analytical study of the sitting volleyball player, the basic game with ball and without the ball, the sitting volleyball rules, the methodology of training in athletes of sitting volleyball
2	The adapted physical activity for people with cardiovascular disease
3	The adapted physical activity for people with metabolic syndrome
4	Examples of technical and practical exercises in wheelchair basketball
4	Examples of technical and practical exercises in sitting volleyball
4	Examples of technical and practical exercises for subjects with physical disabilities
4	Examples of technical and practical exercises for subjects with hearing disability
4	Examples of technical and practical exercises for subjects with visual disability
4	Examples of technical and practical exercises for subjects with intellectual and relational disabilities