

# UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata	
ACADEMIC YEAR	2023/2024	
BACHELOR'S DEGREE (BSC)	SPEECH THERAPY (QUALIFYING FOR THE PROFESSION OF SPEECH THERAPIST)	
INTEGRATED COURSE	MEDICAL AND SURGICAL SCIENCES - INTEGRATED COURSE	
CODE	06364	
MODULES	Yes	
NUMBER OF MODULES	2	
SCIENTIFIC SECTOR(S)	MED/36, MED/18	
HEAD PROFESSOR(S)	BARTOLOTTA Professore Ordinario Univ. di PALERMO TOMMASO VINCENZO	
OTHER PROFESSOR(S)	BARTOLOTTA Professore Ordinario Univ. di PALERMO TOMMASO VINCENZO	
	BONVENTRE Professore Associato Univ. di PALERMO SEBASTIANO	
CREDITS	6	
PROPAEDEUTICAL SUBJECTS	84205 - ANATOMY	
	03347 - PHYSIOLOGY	
MUTUALIZATION		
YEAR	2	
TERM (SEMESTER)	1° semester	
ATTENDANCE	Mandatory	
EVALUATION	Out of 30	
TEACHER OFFICE HOURS	BARTOLOTTA TOMMASO VINCENZO	
	Monday 09:00 12:00 Istituto di Radiologia- Policlinico Universitario di Palermo	
	BONVENTRE SEBASTIANO	
	Wednesday 14:30 16:30 ambulatorio di motilita digestiva Policlinico Palermo	

DOCENTE: Prof. TOMMASO VINCENZO BARTOLOTTA

PREREQUISITES	It is necessary a basic knowledge of physics, statistics and English language
PREREQUISITES LEARNING OUTCOMES	It is necessary a basic knowledge of physics, statistics and English language Knowledge and understanding: The teaching aims to provide the basic concepts of epidemiology, public health and essential elements of the corporate organization with particular reference on health services. It is also proposed to develop knowledges of the norms and laws that regulate and protect workers safety in accordance with current regulations, in particular reference to the obligations of the employer, the worker and competent physician. The student must also learn the physical principles of conventional radiology, computer tomography, ultrasound and magnetic information storage (RIS and PACS), on the main indications of diagnostic imaging. Ability to apply knowledge and understanding: The student must be able to know the risks to the patient's health and the worker, health and workplace prevention standards. It should also be able to identify and evaluate the chemical risk, physical and biological, connected with the professional exercise in order to the necessary interventions for their own and others in the workplace and in the workplace to know the theoretical foundations of ionizing radiation and know how to apply personal and environmental radioprotection standards, in addition to operating consistent with ethics and professional ethics, for the respect of citizen. Autonomy of judgment: The student must: - be aware of the need for continuous professional improvement with the awareness of their limits, including those of their own knowledge; - to have respect for colleagues and other health professionals, demonstrating great ability to establish collaborative relationships with them. Communication skills: The student must: - know how to create and maintain accurate medical records; - know how to create and maintain accurate medical records; - be familiar with the scientific method and be able to apply it in concrete situations with proper knowledge of the laws and regulations and deontological and bioethical problems. Learn
ASSESSMENT METHODS	- have general knowledge about radiotherapy techniques and indications.
	Excellent knowledge of the teaching content; the student demonstrates high analytical-synthetic ability and is able to apply knowledge to solve highly complex problems. 27-29 Excellent knowledge of teaching content and excellent language skills; the student demonstrates analytical-synthetic ability and able to apply knowledge to solve problems of medium complexity and, in some cases, even high. 24-26 Good knowledge of teaching content and good language properties; the student is able to apply knowledge to solve medium complexity problems. 21-23 Fair knowledge of the teaching content, in some cases limited to the main topics; acceptable ability to use the specific language of the discipline and to independently apply the knowledge acquired. 18-20. Minimum knowledge of teaching content, often limited to the main topics; modest ability to use the specific language of the discipline and to independently apply the knowledge acquired. Insufficient Does not have an acceptable knowledge of the main contents of the teaching; very little or no ability to use the specific language of the discipline and to independently apply the knowledge acquired.
TEACHING METHODS	Frontal lessons, interactive discussion and exercises

### MODULE DEGLUTITION SCIENCE

#### Prof. SEBASTIANO BONVENTRE

#### SUGGESTED BIBLIOGRAPHY

•La Chirurgia nelle professioni Sanitarie Walter Craus. Edizione Idelson Napoli •Deglutologia Schindler. Omega Edizioni		
AMBIT	10320-Primo soccorso	
INDIVIDUAL STUDY (Hrs)	45	
COURSE ACTIVITY (Hrs)	30	
EDUCATIONAL OBJECTIVES OF THE MODULE		

Objective of the Module is the description of pathogenesis, natural history, epidemiology, clinical phenomenology and therapeutic management of diseases that can affect swallowing disorders. They will also be given the necessary elements to support the nutritional deficit resulting to diseases causing dysphagia.Morphological and functional study of functional disorders of the upper digestive tract. Medical and surgical treatment.

## SYLLABUS

Hrs	Frontal teaching
3	Surgical anatomy of the upper digestive tract
3	Oropharyngeal motility disorders
3	Pharyngoesophageal motility disorders
3	Esophageal motility disorders
3	Gastroesophageal reflux
3	HR manometry
3	pHimedenzometry
3	Endoscopy of the upper digestive tract
3	Medical and surgical treatments of the functional motor disorders of the upper digestive tract
Hrs	Practice
3	Nasogastric tube placement. Experience in the digestive pathophysiology ambulatory.

#### MODULE IMAGE DIAGNOSTICS

## Prof. TOMMASO VINCENZO BARTOLOTTA

PIOL TOMMASO VINCENZO BARTOLOTTA		
SUGGESTED BIBLIOGRAPHY		
GIOVAGNORIO – Manuale di Diagnostica per Immagini nella Pratica Medica Autore: F. Giovagnorio II Ed.2017 19×26,5 Hardcover Pag.320 a colori ISBN: 9788874889990		
AMBIT	10323-Scienze della prevenzione dei servizi sanitari	
INDIVIDUAL STUDY (Hrs)	45	
COURSE ACTIVITY (Hrs)	30	
EDUCATIONAL OBJECTIVES OF THE MODULE		

PREREQUISITES Anatomy of the central nervous system, of the main solid organs of the abdomen and of the muscoloskeletal system.

TOPICS OF THE MODULE To learn the main diagnostic techniques (x-rays,ultrasonography, computed tomography, magnetic resonance) and the terminology utilized in daily practice. To learn how to interpret a radiology report. To correlate the symptoms and signs with the imaging findings.

LEARNING OBJECTIVES To know the main imaging techniques along with the terminology used in radiology, with a focus on muscoloskeletal radiology and neuroimaging. To comprehend indications and limitations of the various imaging techniques. To familiarize and recognize the images produced with the different imaging techniques. To understand the radiology reports when observing diagnostic images. To recognize the common disease described in the radiology reports,

and their evolution both towards healing and degeneration. DIDACTIC METHODS Formal lessons delivered by the teacher along with presentations delivered by the students ("flipped classroom")

EVALUATIONS METHODS Evaluation of the organizational capacity, presentation mode, completeness of information, appropriateness, use of adequate professional scientific language and student self-study with a final oral examination. The final vote will be based on a scale of 30/30.

## SYLLABUS

Hrs	Frontal teaching
4	x-rays
4	conventional radiology
4	computed tomography
4	ultrasonography
4	magnetic resonance
4	How to interpret a radiology report
6	Radiobiology