



# UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Medicina di Precisione in area Medica, Chirurgica e Critica
ACADEMIC YEAR	2022/2023
MASTER'S DEGREE (MSC)	DENTISTRY
SUBJECT	DENTAL PROSTHESIS II
TYPE OF EDUCATIONAL ACTIVITY	B
AMBIT	50448-Discipline odontoiatriche e radiologiche
CODE	14245
SCIENTIFIC SECTOR(S)	MED/28
HEAD PROFESSOR(S)	SCARDINA GIUSEPPE Professore Ordinario Univ. di PALERMO ALESSANDRO
OTHER PROFESSOR(S)	
CREDITS	3
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	5
TERM (SEMESTER)	1° semester
ATTENDANCE	Mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	SCARDINA GIUSEPPE ALESSANDRO Wednesday 09:30 11:00 Plesso di odontostomatologia primo piano stanza Prof. Scardina

**DOCENTE:** Prof. GIUSEPPE ALESSANDRO SCARDINA

<b>PREREQUISITES</b>	<b>REQUIRED KNOWLEDGE:</b> ANATOMY: Morphology and mechanics of Temporo-mandibular joint. Myology of cranio-facial region. Anatomy of the oral cavity. Nomenclature and morphology of permanent teeth, dental formulas. DENTAL MATERIALS: Characteristics and physical properties of materials. Polymers. dental plaster. rigid and elastic impression materials. Alloys for prosthetic structures. Dental resins. Histology: Epithelial tissues; Connective tissues, bone tissue and ossification. Muscular tissue. The tooth: structure and relations with the surrounding tissues. Microbiology: Microbiology of the oral cavity. Bacteria and fungi (especially Candida). Antibacterial and antifungal agents. HUMAN AND ORAL PHYSIOLOGY: The masticatory physiology. The phonetic function. Salivary secretion. Swallowing. Mechanics of mastication. The masticatory reflexes. Tongue motility. General Pathology: Concepts of infection and inflammation PERIODONTOLOGY: Periodontal Physiology. Etiology and pathogenesis of periodontal disease. Classification of periodontal disease. Gingival, muco-gingival and bone surgery. ORAL RADIOLOGY: Introduction to the study of general and dental radiology. The radiographic anatomy. Radiology of the jaws: extraoral and intraoral methods. The carious, periodontal, traumatic and iatrogenic lesions
<b>LEARNING OUTCOMES</b>	Knowledge and comprehension: Specific knowledge in the field of removable, partial and complete, prosthetic rehabilitation . Comprehension of diagnostic and therapeutic problems. Ability to apply knowledge and comprehension: To plan and set all steps of removable denture, from clinical examination to delivery of the finished denture . Judgments autonomy: ability to make a diagnosis, treatment plan and prognosis for prosthetic rehabilitation. To be able to understand the test-books and the international literature about the matter. Communication ability: ability to expose correctly the clinical cases and to explain to the patient advantages and limitations of prosthetic rehabilitation and the different possible treatment plans . Learning ability: ability to update knowledge obtained through the consultation of international literature
<b>ASSESSMENT METHODS</b>	Oral examination Italian grade 30- 30 cum laude (ECTS grade: A-A+, Excellent): Excellent knowledge of teaching contents; students should show high analytical and synthetic capabilities and should be able to apply their knowledge to solve highly complex problems. Italian grade 27-29 (ECTS grade: B, Very good): Very good knowledge of the teaching contents and excellent language control; students should show analytical and synthetic skills and be able to apply their knowledge to solve problems of medium and, in some cases, even higher complexity. Italian grade 24-26 (ECTS grade: C, good): Good knowledge of teaching contents and good language control; the students should be able to apply their knowledge to solve problems of medium complexity. Italian grade 21-23 (ECTS grade: D, satisfactory): Average knowledge of the teaching contents, in some cases limited to the main topic; acceptable ability to use the specific discipline language and independently apply the acquired knowledge. Italian grade 18-20 (ECTS grade: E, sufficient): Minimum teaching content knowledge, often limited to the main topic; modest ability to use the subject specific language and independently apply the acquired knowledge. Italian grade: insufficient (ECTS grade: F, fail): Lack of an acceptable knowledge of the main teaching content knowledge; very little or no ability to use the specific subject language and apply independently the acquired knowledge.
<b>EDUCATIONAL OBJECTIVES</b>	To give the student knowledge about the planning and execution of the prosthetic treatment plan with a removable, partial or complete, denture.
<b>TEACHING METHODS</b>	Lectures
<b>SUGGESTED BIBLIOGRAPHY</b>	- L. Bortolotti. Protesi mobile: tradizione e innovazione. Ed. Masson. - G. Preti, P.Pera, La Protesi Parziale Rimovibile, ed. Piccin. - Jhonson/Stratton. Basi fondamentali della protesi amovibile. Ed. Scienza e tecnica dentistica. - G. Marino, A. Canton, A. Marino. Moderno trattato di protesi mobile completa. Ed. Martina

## SYLLABUS

Hrs	Frontal teaching
1	Complete Denture: - anamnesis and filling in the medical chart
1	- First visit, physical examination of the edentulous oral cavity
1	Immediate Denture. Tissue conditioner

## SYLLABUS

Hrs	Frontal teaching
2	The primary impression in complete denture
1	Fabrication of an individual impression tray
1	Impression materials
1	Impression techniques of edentulous patients
2	Perypheral tracing of the individual impression tray and final impression
1	Fabrication of gypsum casts and analysis of edentulous models
2	The denture base and the wax occlusion rim
1	Finding of the occlusal vertical dimension
3	Maxillo-mandibular recordings
1	The facebow transfer recording
1	Articulators: mounting of the casts on articulator
1	The class of edentulism
1	Selection and positioning of atificial teeth for complete denture
1	Polymerization of the denture bases
1	Delivery of the denture and follow-up
2	Thoot or implant retained overdenture
1	Removable partial denture: - First visit; physical examination of the partially edentulous patient
1	- Analytic description of the PPR components: major connectors, secondary connectors, supports, clasps, indirect retentions.
1	- The final impression technique. - Laboratory steps: modeling and fabrication of the framework
1	- Try-in of the framework and maxillomandubular recordings
1	- Esthetic try-in - Delivery of the removable partial denture and instructions to the patient