



# UNIVERSITÀ DEGLI STUDI DI PALERMO

<b>DEPARTMENT</b>	Medicina di Precisione in area Medica, Chirurgica e Critica		
<b>ACADEMIC YEAR</b>	2016/2017		
<b>MASTER'S DEGREE (MSC)</b>	DENTISTRY		
<b>INTEGRATED COURSE</b>	ENDODONTICS AND RESTORATIVE DENTISTRY - INTEGRATED COURSE		
<b>CODE</b>	14241		
<b>MODULES</b>	Yes		
<b>NUMBER OF MODULES</b>	2		
<b>SCIENTIFIC SECTOR(S)</b>	MED/28		
<b>HEAD PROFESSOR(S)</b>	SCARDINA GIUSEPPE ALESSANDRO	Professore Ordinario	Univ. di PALERMO
<b>OTHER PROFESSOR(S)</b>	SCARDINA GIUSEPPE ALESSANDRO	Professore Ordinario	Univ. di PALERMO
	CUMBO ENZO MARIA GIUSEPPE	Ricercatore	Univ. di PALERMO
<b>CREDITS</b>	7		
<b>PROPAEDEUTICAL SUBJECTS</b>	17145 - CARIOLOGY, CONSERVATIVE DENTISTRY AND ENDODONTICS - INTEGRATED COURSE		
<b>MUTUALIZATION</b>			
<b>YEAR</b>	5		
<b>TERM (SEMESTER)</b>	1° semester		
<b>ATTENDANCE</b>	Mandatory		
<b>EVALUATION</b>	Out of 30		
<b>TEACHER OFFICE HOURS</b>	<b>CUMBO ENZO MARIA GIUSEPPE</b> Tuesday 09:00 11:00 Scienze Stomatologiche 1° piano  <b>SCARDINA GIUSEPPE ALESSANDRO</b> Wednesday 09:30 11:00 Plesso di odontostomatologia primo piano stanza Prof. Scardina		

<b>PREREQUISITES</b>	<p>Pre requisites are:</p> <ul style="list-style-type: none"> <li>- the knowledge of embryology , anatomy and physiology of maxillo-facial region and, in particular, about the mouth;</li> <li>- knowledge of inflammation and immunology ;</li> <li>- Knowledge of dental materials used in endodontics and restorative dentistry;</li> <li>- knowledge of the fundamentals of mechanics, dynamics, thermodynamics, rheology, optical, electro physics, radiation physics, radiation protection and radiology;</li> <li>- Knowledge of the prevention of infectious diseases and cross infection;</li> <li>- knowledge of the principles of pharmacology and anaesthesiology;</li> <li>- knowledge of the principles of Clinical Medicine and Surgery.</li> </ul>
<b>LEARNING OUTCOMES</b>	<p>Versione inglese</p> <p>The student, at the end of the course, must know how to diagnose, prevent dental caries, pulp and periradicular diseases of endodontic origin.</p> <p>He also has to show:</p> <ul style="list-style-type: none"> <li>-Knowledge about the mechanism of dental caries, pulp and periradicular diseases.</li> <li>-Knowledge about the endo periodontal relationships etiology.</li> <li>-Knowledge of tools, materials, procedures, complications and fundamental techniques in endodontics ad restorative dentistry.</li> <li>-Knowledge of endodontic treatment and retreatment techniques.</li> <li>-Knowledge about the etiology, prevention, diagnosis and treatment of dental caries.</li> <li>-Knowledge of necessary medications during endodontic treatment and retreatment.</li> </ul> <p>The student must also be able to accomplish endodontic treatments even on multi-rooted teeth, by the use of the main techniques.</p> <p>The student will be able to properly communicate to the patient informing him about diagnosis and treatment.</p>
<b>ASSESSMENT METHODS</b>	<p>Oral exam</p> <p>ECTS gradeItalian GradeGrade descriptors</p> <p>A – A+</p> <p>Excellent30-30 cum laude</p> <p>Eccellente</p> <p>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.</p> <p>B</p> <p>Very good27-29</p> <p>Ottimo</p> <p>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.</p> <p>C</p> <p>Good24- 26</p> <p>BuonoGood knowledge of teaching contents and good language control; the students should be able to apply their knowledge to solve problems of medium complexity</p> <p>D</p> <p>Satisfactory21-23</p> <p>Discreto</p> <p>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.</p> <p>E</p> <p>Sufficient18-20</p> <p>Sufficiente</p> <p>Minimum teaching content knowledge, often limited to the main topic; modest ability to use the subject specific language and independently apply the acquired knowledge.</p> <p>F</p> <p>FailInsufficiente</p> <p>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.</p>

<b>TEACHING METHODS</b>	Lessons.
-------------------------	----------

## MODULE ENDODONTICS II

*Prof. ENZO MARIA GIUSEPPE CUMBO*

### SUGGESTED BIBLIOGRAPHY

- Pagavino G., Pace R.: Volume 1: La lesione endodontica. Ed. SEE – Firenze, 2004
  - Pagavino G., Pace R., Giachetti L. Volume 2: Urgenze in endodonzia. SEE – Firenze, 2004
  - Somma F., Endodonzia, principi di base, procedure operative e tecniche. Masson - Milano, 2006
  - Castellucci A.: Endodonzia clinica. Ed. Martina, Bologna
  - Merlini C., Zerbini A., Gallini G.: Chirurgia radicolare conservativa. Ed. Ist. Comunicazione Audiovisiva
  - Appunti delle Lezioni, Articoli scientifici e Monografie forniti dal Docente.
- Lecture consigliate:
- Gallina G, Palmeri M, Cumbo E et al.: "Gli ultrasuoni per la preparazione dell' apice radicolare nelle otturazioni retrograde". Atti XXIII° Congr. Naz. S.I.O.C.M.F., Monduzzi Ed., vol. II, pp. 941-947, Bologna, 1992

<b>AMBIT</b>	50448-Discipline odontoiatriche e radiologiche
<b>INDIVIDUAL STUDY (Hrs)</b>	60
<b>COURSE ACTIVITY (Hrs)</b>	40

### EDUCATIONAL OBJECTIVES OF THE MODULE

Knowledge about the mechanism of pulp and periradicular diseases of endodontic origin. Endo periodontal relationships etiology. Knowledge of endodontic treatment and retreatment techniques. Knowledge of tools, materials, procedures, complications and fundamental techniques in endodontics. Knowledge about the etiology, prevention, diagnosis and treatment of dental trauma. Knowledge of necessary medications during endodontic treatment and retreatment. The student must also be able to accomplish endodontic treatments even on multi-rooted teeth, by the use of the main techniques.

The student, at the end of the course, must know how to diagnose, prevent pulp and periradicular diseases of endodontic origin. The student will also be able to shape, clean and dress properly root canals.

## SYLLABUS

Hrs	Frontal teaching
6	Root canal filling
3	Endodontic treatment for immature permanent teeth
3	Follow up
3	Endodontic complications
3	Endodontic treatment in a single session
5	Endodontic retreatment
4	Surgical endodontics
2	Dental trauma
3	Treatment planning in endodontics
2	Endodontic treatment and systemic diseases
3	Restoration of endodontically treated teeth
3	Relations between restorative, endodontics, periodontics, orthodontics and oral surgery.

## MODULE CONSERVATIVE DENTISTRY II

*Prof. GIUSEPPE ALESSANDRO SCARDINA*

### SUGGESTED BIBLIOGRAPHY

- Anatomia dentaria. M. Lautrou. Ed. Masson, Milano.
- Manuale di Disegno e Modellazione dentale. Mangani F., La Manna A.; Martina Ed. Bologna;
- Moderni orientamenti per la restaurazione dentale. Anderlini G.; Martina Ed. Bologna
- Odontoiatria Restaurativa. Procedure di trattamento e prospettive future. AA.VV.. Masson – Elsevier Ed. Milano
- Il Restauro conservativo dei denti anteriori. Vanini L., Mangani F. et al.; ACME Ed. Viterbo.
- MED Tutor Odontoiatria. Ottavo modulo. I restauri diretti in composito nei denti anteriori. Vanini L.; UTET Scienze Mediche Ed. Milanos
- Scotti R., Ferrari M.: Perni in Fibra. Ed. Masson, Milano, 2004.
- Ferrari M., Breschi L., Grandini S.: Fiber posts and endodontically treated teeth. MDM, South Africa
- Shillenburg H.T., Kessler J.C.: La ricostruzione dei denti trattati endodonticamente
- Appunti delle Lezioni, Articoli scientifici e Monografie forniti dal Docente

<b>AMBIT</b>	50448-Discipline odontoiatriche e radiologiche
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

### EDUCATIONAL OBJECTIVES OF THE MODULE

This module covers the fundamental concepts in restorative dentistry. The student will have knowledge of: biologic width and its importance in restorative dentistry, restorative dentistry in endodontically treated teeth, evidence-based concepts and procedures for bonded inlays, onlays, overlays, the use of indirect veneers to rehabilitate patients, tooth bleaching, non-routine interventions, digital bonded restorative dentistry. the student will be able to shape an anterior and posterior tooth.

## SYLLABUS

Hrs	Frontal teaching
5	Restorative dentistry in endodontically treated teeth
4	Biologic width and its importance in restorative dentistry
4	Evidence-based concepts and procedures for bonded inlays, onlays, overlays
5	The use of indirect veneers to rehabilitate patients
4	Tooth bleaching
4	Non-routine interventions
4	Digital bonded restorative dentistry
Hrs	Practice
5	Shaping of an anterior tooth
5	Shaping of posterior tooth