



University of East

MASTER OF SCIENCE IN DENTISTRY (*PERIODONTICS*)

Subject Code	Subject Title	Units	Hours per week		
			Lec.	Lab.	Cl.
FIRST YEAR					
<u>1st Semester</u>					
DENT 511	Advance Oral Biology	2	2		
DENT 514	Dento-Craniofacial Radiology	2	1	3	
DENT 513	Craniofacial Genetics, Growth and Development	2	2		
PERIO 561	Anatomy and Histophysiology of the Periodontium	2	2		
DENT 591	Biostatistics	2	1	3	
PERIO 516	Clinical Practice & Conference (Internship)	1			3
TOTAL		11	8	6	3
<u>2nd Semester</u>					
DENT 531	Interdisciplinary Diagnosis and Treatment Plan	2	2		
DENT 592	Research Methods & Design	2	2		
DENT 515	Physiological Chemistry	2	2		
PERIO 571	Histopathology of the Periodontium	2	2		
PERIO 573A	Clinical Periodontics 1	4			12
TOTAL		12	8	0	12
SECOND YEAR					
<u>1st Semester</u>					
DENT 512	Cell and Molecular Biology	2	2		
PERIO 551	Periodontology 1	2	2		
PERIO 572	Light Parenteral and Conscious Sedation	2	2		
PERIO 581	Periodontics Surgery	2	1		3
PERIO 574A	Clinical Periodontics 2	4			12
TOTAL		12	7	0	15
<u>2nd Semester</u>					
DENT 521	Oral Immunology & Microbiology	2	2		
DENT 593	Research Analysis & Interpretation	2	2		
3PERIO 552	Periodontology 2	2	2		
PERIO 582	Dental Implantology	2	1		3
PERIO 575	Clinical Periodontics 3	4			15
TOTAL		12	7	0	15
COMPREHENSIVE EXAMINATION					
THIRD YEAR					
<u>1st Semester</u>					
PERIO 583	Periodontic Case Review	1	1		
PERIO 576	Clinical Periodontics 4	7		Res	21
DENT 596A	Periodontic Research 1	3		Lab.	
TOTAL		11	1	0	21
<u>2nd Semester</u>					
PERIO 562	Periodontics Seminar	1	1		
PERIO 584	Perio-Ortho-Prosthodontics Seminar	1	1		
PERIO 585	Perio-Endo Resto Seminar	1	1	Res	
DENT 596B	Periodontic Research 2	3		Lab	
TOTAL		6	3	0	0



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MASTER OF SCIENCE IN DENTISTRY

Major in **Periodontics**

OBJECTIVES:

To provide qualified dentists with special knowledge and skills necessary to become specialists in the skills and practice of Periodontics, fostering a philosophy of continuing scholarly activity and professional development.

EXPECTED OUTCOMES:

1. Graduate students must have achieved a thorough understanding of the biology and pathology of the periodontium.
2. Graduate students must be able to correlate basic sciences and clinical sciences needed in the practice of periodontics as a specialty.
3. Graduate students must have gained adequate knowledge on the preservation of periodontal supporting structures as well as regeneration or reconstruction of lost periodontal/alveolar structures.
4. Graduate students are expected to be clinically competent to conceptualize, rationalize and defend periodontal therapy in advanced periodontal cases.
5. Graduate students must have gained competence in all diagnostic, preventive and treatment procedures currently employed in Periodontics.
6. Graduate students must have acquired the knowledge and must have developed the skills necessary for successful clinical practice, and position in academics and research.

PERIO 551 – Periodontology 1

Principles of the science of periodontology, including anatomy of the periodontium, classification, etiology, diagnosis, scaling, and root planning and treatment planning. *Credit: 2 units*

PERIO 552 – Periodontology 2

Advanced materials covering the indications and contraindications for management of complex periodontal problems. *Credit: 2 units*

PERIO 561 – Anatomy and Histophysiology of the Periodontium

Provides an overview of the periodontium and the oral mucosa in health, with emphasis on cell biology, histology, ultrastructure and their clinical correlation. *Credit: 2 units*

PERIO 562 – Periodontics Seminar

An in-depth review of periodontal literature, from early classic articles to current publications, for presentation and discussion. *Credit: 1 unit*

PERIO 571 – Histopathology of the Periodontium

An overview of periodontium and the oral mucosa in disease, with emphasis on cell biology, histology, ultrastructure and their clinical correlation. *Credit: 2 units*



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PERIO 572 – Light Parenteral and Conscious Sedation

Prepares students in the use of intravenous light sedation as an adjunct comprehensive management program for patients. *Credit: 2 units*

PERIO 573 – Clinical Periodontics 1

Evaluation and treatment of special advanced cases involving diseased periodontal tissues and bony supporting tissues. *Credit: 3 units*

PERIO 574 – Clinical Periodontics 2

A continuation of PERIO 573. *Credit: 3 units*

PERIO 581 – Periodontal Surgery

Principles of Surgical Periodontics are presented; emphasis is given on indications, contraindications, and techniques. *Credit: 2 units*

PERIO 582 – Dental Implantology

Didactic and clinical training in the use of several implant systems. *Credit: 2 units*

PERIO 583 – Periodontics Case Review

A seminar that will evaluate the success/failure of all patients treated. Treatment records will be analyzed during detailed discussions of diagnosis and treatment. *Credit: 1 unit*

PERIO 584 – Perio-Prosthodontics Seminar

A multidisciplinary seminar to allow interactions among students regarding compound cases they have treated jointly. *Credit: 1 unit*

PERIO 585 - Perio-Endo-resto Seminar II

A multidisciplinary seminar to allow interactions among students regarding compound cases they have treated jointly *Credit: 1 unit*

