Dental Postgraduate Program in Regenerative Dentistry (Curriculum by Terms)

12-months January-December

	Winter (January	– March)	
Course	Topic	Hours/Week	Participation
ORALHEAL 811	Oral Health Sciences Seminar Series: Seminars and journal clubs present current research problems and techniques in oral health sciences	2	Audit/Participate in Discussion
ORALHEAL 811	Responsible Conduct of Research and Scholarship: Covers issues in research responsibility and scientific ethics through a mix of seminars, informal debates and small group discussions conducted by faculty members and invited speakers.	2	Audit/Participate in Discussion
DENT 612	Molecular Biology in Clinical Dentistry: The focus of this course is to translate basic molecular biology into the daily practice of contemporary clinical dentistry.	2	Audit/Participate in Discussion
CDB 582	Stem Cells Regeneration Biology: Covers multiple aspects of organogenesis, organ regeneration and repair, stem cell systems, and tissue engineering.	2	Audit/Participate in Discussion
ТВА	Mentored Research: Design of biomaterials and drug delivery systems for applications in regenerative dentistry.	22-26	Learn and perform mentored research in the areas of biomaterials and tissue engineering
652 or 742	Clinical Skills: Clinical activities in Graduate Endodontics or Restorative Dentistry.	2	Observe residents
Elective Courses/	Directors*		
656	Biology of the Dental Pulp	2	Audit/Participate in Discussion
653	Seminar in Endodontics	4	Audit/Participate in Discussion
Elective Courses	: *Based on individual course director		
	Spring (April -		D (1 1 1
Course	Topic	Hours/Week	Participation
ORALHEAL 811	Oral Health Sciences Seminar Series: Seminars and journal clubs present current research problems and techniques in oral health sciences	2	Audit/Participate in Discussion

ORALHEAL 811	Responsible Conduct of Research and Scholarship: Covers issues in research responsibility and scientific ethics through a mix of seminars, informal debates and small group discussions conducted by faculty members and invited speakers.	2	Audit/Participate in Discussion
TBA	Current Topics in Regenerative Dentistry: Review of assigned literature and group discussion	3	Audit/Participate in Discussion
ТВА	Mentored Research: Design of biomaterials and drug delivery systems for applications in regenerative dentistry.	22-26	Learn and perform mentored research in the areas of biomaterials and tissue engineering
652 or 742	Clinical Skills: Clinical activities in Graduate Endodontics or Restorative Dentistry.	2	Observe residents
Elective Courses/	Directors*		
653	Seminar in Endodontics	4	
660	Case Presentation and Treatment Planning in Endodontics	2	Audit/Participate in Discussion
	Company of Long	Arroniosi	
	Summer (June –		
Course	Торіс	Hours/Week	Participation
ТВА	Mentored Research: Design of biomaterials and drug delivery systems for applications in regenerative dentistry.	22-26	Learn and perform mentored research in the areas of biomaterials and tissue engineering
653	Seminar in Endodontics	8	Audit/Participate in Discussion
659	Current Literature Review in Endodontics	2	Audit/Participate in Discussion
660	Case Presentation & Treatment Planning in Endodontics	2	Audit/Participate in Discussion
652 or 742	Clinical Skills: Clinical activities in Graduate Endodontics or Restorative Dentistry.	2	Observe residents
	Fall (September –	December)	
Course	Topic	Hours/Week	Participation
Oourse	Oral Health Sciences Seminar Series:	110u13/VVCCK	ranticipation
ORALHEAL 811	Seminars and journal clubs present current research problems and techniques in oral health sciences	2	Audit/Participate in Discussion
ORALHEAL 811	Responsible Conduct of Research and Scholarship: Covers issues in research responsibility and scientific ethics through a mix of seminars, informal debates and small group discussions conducted by faculty members and invited speakers.	2	Audit/Participate in Discussion
BIOSTAT 521	Applied Biostatistics: The focus of this course is to provide fundamental statistical concepts: descriptive statistics; probability; sampling; statistical distributions;	2	Audit/Participate in Discussion

	estimation; hypothesis testing; chi- square tests; among others		
BIOMEDE 474	Introduction to Tissue Engineering: This course focuses on understanding the principles of tissue engineering and regenerative medicine. Emphasis is on the components and design criteria of tissue engineering constructs. The course will cover multiple examples of engineering soft and hard tissue and application of new technologies in regenerative medicine	2	Audit/Participate in Discussion
TBA	Biomaterials Science: This course offers a conceptual perspective for the origin of materials behavior/structure/property/performance interrelationships.	2	Audit/Participate in Discussion
ТВА	Mentored research: Design of biomaterials and drug delivery systems for applications in regenerative dentistry.	22	Learn and perform mentored research in the areas of biomaterials and tissue engineering
652 or 742	Clinical Skills: Clinical activities in Graduate Endodontics or Restorative Dentistry.	2	Observe residents
Elective Courses/	Directors*		
606	Mineralized Tissues	1	
610	Research Methods and Graduate Oral Health Sciences	2	Audit/Participate in Discussion
614	Oral and Maxillofacial Pathology	2	

12-months September-August

Fall (September – December)			
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ORALHEAL 811	Oral Health Sciences Seminar Series: Seminars and journal clubs present current research problems and techniques in oral health sciences	2	Audit/Participate in Discussion
ORALHEAL 811	Responsible Conduct of Research and Scholarship: Covers issues in research responsibility and scientific ethics through a mix of seminars, informal debates and small group discussions conducted by faculty members and invited speakers.	2	Audit/Participate in Discussion
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Elective Courses/			
606	Mineralized Tissues	1	
610	Research Methods and Graduate Oral Health Sciences	2	Audit/Participate in Discussion
614	Oral and Maxillofacial Pathology	2	Discussion
	Spring (April –	- June)	
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652 or 742	Clinical Skills: Clinical activities in Graduate Endodontics or Restorative Dentistry.	2	Observe residents
	Directore*		
Elective Courses/	Directors		
	Seminar in Endodontics Case Presentation and Treatment	4	Audit/Participate in

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	Summer (June -		D 41 4 41	
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