

PhD in Oral Biology

Department: Oral Biology

Program Aims: The program aims to train highly qualified students to become leaders in academic dentistry and provides students the opportunity to learn and contribute to these cutting-edge sciences. The program enables the students to demonstrate disciplinary competence and proficiency in Oral Biology with a global perspective on Oral Health and dentistry to provide a service to others. It enables the development and application of appropriate professional attitude as well as communication and practical skills of the students. The program provides an expanded advanced knowledge about anatomy, histology, physiology, cytology, immunology of oral and dental tissues.

a. Compulsory courses

Code	Title	Week	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
Semester I										
OB601	Advanced concepts in oral biology I	15	1	2	3	4	7	105	2	4
OB602	Applied oral physiology I	15	1	2	3	4	7	105	2	4
OB603	Dental immunology	15	1	0	1	2	3	45	1	2
OB604	Methods in microscopic imaging	15	1	0	1	2	3	45	1	2

Code	Title	Week	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
Semester II										
OB701	Advanced concepts in oral biology II	15	1	2	3	4	7	105	2	4
OB702	Applied oral physiology II	15	1	2	3	4	7	105	2	4
OB703	Nanodentistry	15	1	0	1	2	3	45	1	2
OB704	Seminars in oral biology	15	2	0	2	4	6	90	2	3

Code	Title	Week	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
Semester III										
OB801	Basic molecular biology	15	1	0	1	4	5	75	1	3
OB802	Tissue engineering I	15	1	0	1	4	5	75	1	3
OB803	Dental anatomy & physiology I	15	1	2	3	4	7	105	2	4
OB804	Pro-seminars in dental research	15	2	0	2	4	6	90	2	3

Code	Title	Week	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
Semester IV										
OB901	Advanced molecular biology	15	1	0	1	4	5	75	1	3
OB902	Tissue engineering II	15	1	0	1	4	5	75	1	3
OB903	Dental anatomy & physiology II	15	1	2	3	4	7	105	2	4
OB904	Seminars in oral biology	15	2	0	2	4	6	90	2	3

b. Elective courses

Code	Title	Week	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
ELECT201	stem cell application and tissue engineering	15	1	0	1	4	5	75	1	3
ELECT 208	comparative dental anatomy	15	1	0	1	4	5	75	1	3
ELECT 304	fundamental of molecular biology	15	2	0	2	4	6	90	2	3

SWL: summative workload

Students should study elective courses to complete 120 credit points. Each credit point is equivalent to 28 workload hours.

Students' assessment:

Methods of assessments:
1. Written Exam
2. Practical Exam and requirements
3. Oral Exam
4. Log book
5. Systematic review article