

Master Degree in Orthodontics

Department: Orthodontics

Program Aims: The program aims to prepare dentists to provide preventive, interceptive and corrective orthodontic treatment for children, adolescents and adults. At the end of this program, the graduate student will gain professional knowledge relevant to science and practice of orthodontic treatment as well as the clinical experience which enable him/her to accomplish the following tasks: **1.**Provide the child and adult community with efficient and superior comprehensive orthodontic care. **2.**Participate efficiently in judgment and decision making in treatment of malocclusion. **3.**Decline in the incidence of gene-linked malocclusion and dentoskeletal malformation. **4.**To reduce the incidence of acquired malocclusion. **5.**Develop research expertise that enables him/her to conduct independent scientific research. And **6.**Meet the challenge of continual advancement of the profession through participation in continuing education which helps his/her professional maturation.

Semester I

Code	Title	Weeks	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
GMSC101	Anatomy of The Head & Neck	15	2	2	4	2	6	90	3	3
OB503	Embryology of The Head	6	1	0	1	2	3	18	1	1
OP503	Oral Pathology for Orthodontics	8	2	2	4	2	6	48	3	2
ORAD703	Oral Radiology for Specialists	15	2	2	4	2	6	90	3	3
DBM503	Applied Dental Material for Orthodontics	15	2	0	2	2	4	60	2	2
OB302	Oral Physiology	15	1	2	3	2	5	75	2	3
ORTH101	Orthodontic Seminars I	15	2	0	2	5	7	105	2	4

Semester II

Code	Title	Weeks	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
ORTH201	Interactive Computed Tomography	15	1	2	3	2	5	75	2	3
ORTH202	Orthodontic Diagnosis & Treatment Planning	15	1	2	3	4	7	105	2	4
ORTH203	Growth & Development	15	1	0	1	2	3	45	1	2
ORTH204	Development of Dentition & Occlusion	15	1	0	1	2	3	45	1	2
ORTH205	Orthodontic Biomechanics	15	1	2	3	4	7	105	2	4
ORTH206	Orthodontic Seminars II	15	1	0	1	6	7	105	1	4
ORTH207	Orthodontic Clinic	15	2	6	8	0	8	120	5	4

Semester III

Code	Title	Weeks	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
ORTH301	Aspects Of Tooth Movement & Dentofacial Orthopedics	15	1	0	1	3	4	60	1	2
ORTH302	Temporomandibular Disorders	15	1	0	1	3	4	60	1	2
ORTH303	Treatment of Preadolescents & Adolescents	15	1	0	1	3	4	60	1	2
ORTH304	Orthodontic Biomechanics & Orthodontic Appliances	15	1	0	1	3	4	60	1	2
ORTH305	Functional Appliances	15	1	0	1	3	4	60	1	2
ORTH306	Orthodontic Clinic II	15	0	12	12	0	12	180	6	6
ORTH307	Orthodontic Seminars III	15	2	0	2	3	5	75	2	2

Semester IV

Code	Title	Weeks	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
OMED203	Genetics	15	1	0	1	1	2	30	1	1
ORTH401	Multidisciplinary Treatment Procedures	15	1	0	1	3	4	60	1	2
ORTH402	Adult Treatment	15	1	0	1	3	4	60	1	2
ORTH403	Cleft Lip & Palate Treatment	15	1	0	1	3	4	60	1	2
ORTH404	Orthognathic Surgery	15	1	0	1	3	4	60	1	2
ORTH405	Orthodontic Clinic III	15	0	12	1	0	1	15	6	1
ORTH406	Orthodontic Seminars IV	15	1	0	1	3	4	60	1	2

Semester V

Code	Title	Weeks	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
ORTH501	Iatrogenic Effects	15	1	0	1	3	4	60	1	2
ORTH502	Retention & Relapse	15	1	0	1	3	4	60	1	2
OMED102	Immunology	15	1	0	1	1	2	30	1	1
ORTH503	Orthodontic Clinic IV	15	0	12	12	0	12	180	6	6
ORTH504	Orthodontic Seminars V	15	1	0	1	3	4	60	1	2

Semester VI

Code	Title	Weeks	Didactic	Practical	Contact	Self Study	Work Load	SWL	Credit Hours	Credit Points
ORTH601	Orthodontic Clinic V	15	0	12	12	0	12	180	6	6
ORTH603	Orthodontic Seminars VI	15	1	0	1	2	3	45	1	2