



INTEGRATED UNDERGRADUATE AND MASTER'S ACADEMIC STUDIES

Study Program: Integrated Studies of Dental Medicine

Table 5.1 Integrated Studies Curriculum Structure per Semester and Year of Study

Integrated Studies of Dental Medicine

Year I

No.	Course Type	Code	COURSE	Status	No. of classes of active teaching				Total No. of Classes			Other/ Pp-II	ECTS	
					Semester I		Semester II							
					L	P	L	P	L	P	Total			
1.	NS	ST27ANAT	Anatomy	C	2	2	4	4	90	90	180		15	
2.	NS	ST27HIST	General and Oral Histology and Embryology	C	2	2	2	2	60	60	120		11	
3.	NS	ST27BIOH	General and Oral Biochemistry	C	4	2			60	30	90		9	
4.	TM	ST27GENE	Cell Biology and Human Genetics	C	3	2			45	30	75		9	
5.	AO	ST27ENGL	English Language	C	2	2			30	30	60		6	
6.	AO	ST27ETIK	Ethics, Critical Thinking and Interprofessional Education in Dentistry	C			1	1	15	15	30		4	
7, 8, 9		ST27IZB1	Elective Block 1	E	2	2	4	4	90	90	180		6	
					Σ		15	12	11	11	390	345	735	60
Total No. of classes of active teaching per year of study 49 h x 15 weeks = 735														

Elective Block 1

No.	Course Type	Code	COURSE	Status	No. of classes of active teaching				Total No. of Classes			Other/ Pp-II	ECTS
					Semester I		Semester II						
					L	P	L	P	L	P	Total		
1.	AO	27I1_01	English for Academic Purposes	E	2	2			30	30	60		2
2.	AO	27I1_02	English for Dentistry (advanced course)	E			2	2	30	30	60		2
3.	TM	27I1_03	Histology Workshop: Tissues and Organs of the Orofacial System	E			2	2	30	30	60		2
4.	TM	27I1_04	Neurohistology	E			2	2	30	30	60		2
5.	AO	27I1_05	Mechanisms of Developmental Anomalies	E			2	2	30	30	60		2
6.	AO	27I1_06	Application of Information Technology in Dentistry	E	2	2			30	30	60		2
7.	AO	27I1_07	Fundamentals of Biomechanics in Dentistry with Elements of Physics of Materials	E			2	2	30	30	60		2

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8.	AO	27I1_08	Social Medicine and Epidemiology	E	2	2			30	30	60		2
9.	TM	27I1_09	Biochemistry of Bone Tissue	E			2	2	30	30	60		2
10.	AO	27I1_10	Medical Ecology	E	2	2			30	30	60		2
11.	AO	27I1_11	Nutrition and Oral Health	E	2	2			30	30	60		2
12.	AO	27I1_12	The Impact of Oral Health on the Quality of Life	E			2	2	30	30	60		2
13.	TM	27I1_13	Histological Techniques	E	2	2			30	30	60		2
14.	TM	27I1_14	Biochemical Characteristics of the Oral Pellicle	E			2	2	30	30	60		2
15.	SA	27I1_15	Ergonomy in Dentistry	E	2	2			30	30	60		2
16.	TM	27I1_16	Genetic Disorders of the Orofacial Region	E			2	2	30	30	60		2
17.	TM	27I1_17	Genetic Basis of Multifactorial Diseases	E			2	2	30	30	60		2
	TM	27I1_18	Stem Cell Biology	E			2	2	30	30	60		2
19.	TM	27I1_19	Gene Therapy	E			2	2	30	30	60		2
20.	AO	27I1_20	Fundamentals of Biophysics in Dentistry	E			2	2	30	30	60		2
Total No. of classes of active teaching within Elective Block 1					14	14	26	26	600	600	1200		40

Year II

No.	Course Type	Code	COURSE	Status	No. of classes of active teaching				Total No. of Classes			Other/ Pp-II	ECTS
					Semester III		Semester IV						
					L	P	L	P	L	P	Total		
10.	NS	ST27FIZL	General and Oral Physiology	C	4	2	4	2	120	60	180		13
11.	NS	ST27PATO	General and Oral Pathology	C	2	1	2	2	60	45	105		10
12.	NS	ST27PREV	Preventive Dentistry	C	3	3			45	45	90		9
13.	NS	ST27MIKR	Microbiology and Immunology	C	4	2			60	30	90		9
14.	TM	ST27DEAN	Dental Anatomy with the Fundamentals of Gnathology	C	1	2			15	30	45		8
15	AO	ST27JAZD	Public Health	C			2	1	30	15	45		5
16,17, 18		ST27IZB2	Elective Block 2	E			6	6	90	90	180		6
		Σ				14	10	14	11	420	315	735	60
Total No. of classes of active teaching per year of study 49 h x 15 weeks = 735													

Elective Block 2

No.	Course Type	Code	COURSE	Status	No. of classes of active teaching				Total No. of Classes			Other/ Pp-II	ECTS
					Semester III		Semester IV						
					L	P	L	P	L	P	Total		
1.	TM	27I2_01	Oral Hygiene Products	E			2	2	30	30	60		2
2.	TM	27I2_02	Oral Homeostasis	E			2	2	30	30	60		2
3.	TM	27I2_03	Bone Tissue Physiology	E			2	2	30	30	60		2
4.	TM	27I2_04	Laboratory Diagnostics of Tumors in the Orofacial Region	E			2	2	30	30	60		2
5.	NS	27I2_05	Tumor Markers	E			2	2	30	30	60		2
6.	AO	27I2_06	Biostatistics in Dental Medicine	E			2	2	30	30	60		2
7.	AO	27I2_07	Management in Dentistry	E			2	2	30	30	60		2
8.	TM	27I2_08	Impact of Harmful Habits on Oral Health	E			2	2	30	30	60		2
9.	NS	27I2_09	Microbiological Aspects of Infection Control in Dentistry	E			2	2	30	30	60		2
10.	NS	27I2_10	Biofilm in Dentistry and Medicine	E			2	2	30	30	60		2
11.	AO	27I2_11	Informatics in Dental Medicine	E			2	2	30	30	60		2
12.	TM	27I2_12	Physical Foundations of Diagnostic and Therapeutic Methods	E			2	2	30	30	60		2
13.	TM	27I2_13	Viral Infections Relevant to Dental Practice	E			2	2	30	30	60		2

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14.	NS	27I2_14	Microbiological Diagnostics of Infections in the Oropharyngeal Region	E			2	2	30	30	60		2	
15.	NS	27I2_15	The Concept of Personalized Medicine in Dentistry	E			2	2	30	30	60		2	
16.	TM	27I2_16	Comparable Dental Anatomy	E			2	2	30	30	60		2	
Total No. of classes of active teaching within Elective Block 2							32	32	480	480	960		32	

Year III

No.	Course Type	Code	COURSE	Status	No. of classes of active teaching				Total No. of Classes			Other/ Pp-II	ECTS
					Semester V		Semester VI						
					L	P	L	P	L	P	Total		
19.	NS	ST27PAFI	Pathophysiology	C	4	2			60	30	90		8
20.	TM	ST27PRMP	Preclinical Removable Prosthodontics	C			2	3	30	45	75		7
21.	TM	ST27BOZP	Restorative Odontology-Preclinical	C	1	2	1	2	30	60	90		7
22.	NS	ST27OPHI	General Surgery	C			3	3	45	45	90		6
23.	NS	ST27INME	Internal Medicine	C	3	4			45	60	105		6
24.	NS	ST27MEDB	General Medicine	C	3	1			45	15	60		4
25.	TM	ST27REND	Fundamentals of Clinical Radiology	C	2	2	2	2	60	60	120		9
26	TM	ST27FARM	Pharmacology in Dentistry	C	4	2			60	30	90		7
27,28.		ST27IZB3	Elective Block 3	E			4	4	60	60	120		6
		Σ				17	13	12	14	435	405	840	60
Total No. of classes of active teaching per year of study 56 h x 15 weeks = 840													

Elective Block 3

Elective Block C

No.	Course Type	Code	COURSE	Status	No. of classes of active teaching				Total No. of Classes			Other/ Pp-II	ECTS
					Semester V		Semester VI						
					L	P	L	P	L	P	Total		
1.	NS	27I3_01	Specificity of Oral Hygiene in Special Patient Groups	E			2	2	30	30	60		3
2.	SA	27I3_02	Prophylactic Measures in Restorative Dentistry	E			2	2	30	30	60		3
3.	TM	27I3_03	Saliva As a Diagnostic Fluid	E			2	2	30	30	60		3
4.	NS	27I3_04	Drug Abuse and Dental Practice	E			2	2	30	30	60		3
5.	TM	27I3_05	Etiopathogenesis of Oral Cavity Diseases	E			2	2	30	30	60		3
6.	NS	27I3_06	Molecular Mechanisms Involved in the Pathogenesis of Shock	E			2	2	30	30	60		3
7.	NS	27I3_07	Cellular and Molecular Mechanisms in the Pathogenesis of Atherosclerosis	E			2	2	30	30	60		3
8.	SA	27I3_08	Emergency Conditions in Internal Medicine and Dental Practice	E			2	2	30	30	60		3
9.	SA	27I3_09	Systemic Complications Caused by Oral Infections	E			2	2	30	30	60		3
10.	SA	27I3_10	Emergencies in General Surgery	E			2	2	30	30	60		3
11.	TM	27I3_11	X-Ray Image Interpretation	E			2	2	30	30	60		3

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12.	NS	27I3_12	Dental Biomechanics	E			2	2	30	30	60		3	
13.	AO	27I3_13	Communication Skills In Dental Practice	E			2	2	30	30	60		3	
14.	AO	27I3_14	Professional Ethics in Dentistry	E			2	2	30	30	60		3	
15.	TM	27I3_15	Dental Photography	E			2	2	30	30	60		3	
16.	NS	27I3_16	Color in Dentistry	E			2	2	30	30	60		3	
17.	TM	27I3_17	Osteoporosis and Oral Health	E			2	2	30	30	60		3	
18.	TM	27I3_18	Dental Treatment of Patients with High Cardiovascular Risk	E			2	2	30	30	60		3	
Total No. of classes of active teaching within Elective Block 3							36	36	540	540	1080		54	

Year IV

No.	Course Type	Code	COURSE	Status	No. of classes of active teaching				Total No. of Classes			Other/ Pp-II	ECTS	
					Semester VII		Semester VIII							
					L	P	L	P	L	P	Total			
29.	NS	ST27ANES	Anesthesia in Dentistry and Basic Principles of Oral Surgery	C			2	3	30	45	75	45	7	
30.	SA	ST27REOD	Restorative Odontology	C	1	5	1	4	30	135	165	45	10	
31.	SA	ST27MOBI	Removable Prosthodontics	C	1	6	1	6	30	180	210	60	10	
32.	TM	ST27FPRO	Preclinical Fixed Prosthodontics	C	1	3			15	45	60	30	7	
33.	SA	ST27ORME	Oral Medicine	C	2	2			30	30	60	30	7	
34.	TM	ST27PAR1	Preclinical Periodontology	C			2	2	30	30	60	30	7	
35.	TM	ST27PREN	Preclinical Endodontics	C			1	2	15	30	45	30	6	
36,37		ST27IZB4	Elective Block 4	E			4	2	60	30	90		6	
		Σ				5	16	11	19	240	525	765	270	60
		Total No. of classes of active teaching per year of study 51 h x 15 weeks = 765												

Elective Block 4

No.	Course Type	Code	COURSE	Status	No. of classes of active teaching				Total No. of Classes			Other/ Pr-II	ECTS
					Semester VII		Semester VIII						
					L	P	L	P	L	P	Total		
1.	NS	27I4_01	Materials for Direct Esthetic Restorations	E			2	1	30	15	45		3
2.	SA	27I4_02	Minimum Intervention Cariology	E			2	1	30	15	45		3
3.	SA	27I4_03	Dental Care for Children with Rare Diseases	E			2	1	30	15	45		3
4.	NS	27I4_04	Biochemistry of Body Fluids	E			2	1	30	15	45		3
5.	NS	27I4_05	Clinical Significance of the Topographical Anatomy of the Head and Neck	E			2	1	30	15	45		3
6.	NS	27I4_06	Clinical Significance of the Cranial Nerves	E			2	1	30	15	45		3
7.	NS	27I4_07	Head and Neck Cancer Prevention	E			2	1	30	15	45		3
8.	SA	27I4_08	Antibiotic Prophylaxis in High-Risk Patients	E			2	1	30	15	45		3
9.	SA	27I4_09	Physiological Basis of Pain in the Orofacial Region	E			2	1	30	15	45		3
10.	NS	27I4_10	Periodontal Manifestations of Local and Systemic Diseases	E			2	1	30	15	45		3
11.	SA	27I4_11	Digital and AI-Assisted Radiology in Dentistry	E			2	1	30	15	45		3

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12.	SA	27I4_12	Oral Potentially Malignant Disorders and the Contemporary Concept of Diagnostics	E			2	1	30	15	45		3	
13.	NS	27I4_13	Principles of Treatment of Oral Diseases and Adverse Drug Reactions	E			2	1	30	15	45		3	
14.	NS	27I4_14	Autoimmune Diseases of the Oral Mucosa	E			2	1	30	15	45		3	
15.	NS	27I4_15	Oral Mucosal Diseases in Immunocompromised Patients	E			2	1	30	15	45		3	
16.	NS	27I4_16	Gerodontology	E			2	1	30	15	45		3	
Total No. of classes of active teaching within Elective Block 4							32	16	480	240	720		48	

Year V

No.	Course Type	Code	COURSE	Status	No. of classes of active teaching				Total No. of Classes			Other/ Pp-II	ECTS
					Semester IX		Semester X						
					L	P	L	P	L	P	Total		
38.	SA	ST27DEST	Pediatric Dentistry	C	2	3	2	3	60	90	150	60	11
39.	SA	ST27ORAL	Oral Surgery	C	2	3	2	3	60	90	150	60	10
40.	SA	ST27FSPR	Fixed prosthodontics with clinical gnathology	C	2	6	1	6	45	180	225	60	12
41.	SA	ST27PAR2	Clinical Periodontology	C	2	2	0	1	30	45	75	45	10
42.	SA	ST27ENDO	Endodontics	C	1	5	1	4	30	135	165	60	11
43,44		ST27IZB5	Elective Block 5	E			2	2	30	30	60	30	6
Σ					9	19	8	19	255	570	825	315	60
Total No. of classes of active teaching per year of study 55h x 15 weeks = 825											825	315	60

Elective Block 5

No.	Course Type	Code	COURSE	Status	No. of classes of active teaching				Total No. of Classes			Other/ Pp-II	ECTS
					Semester IX		Semester X						
					L	P	L	P	L	P	Total		
1.	SA	27I5_01	Root Canal Obturation - Obturation Techniques and Materials	E			1	1	15	15	30	15	3
2.	SA	27I5_02	Rotary Instruments in Endodontics	E			1	1	15	15	30	15	3
3.	SA	27I5_03	Treatment Planning for Chronic Periapical Inflammatory Lesions	E			1	1	15	15	30	15	3
4.	SA	27I5_04	Root Canal Chemical Treatment During Endodontic Therapy	E			1	1	15	15	30	15	3
5.	SA	27I5_05	Pain Management in Endodontics	E			1	1	15	15	30	15	3
6.	SA	27I5_06	Visualization Methods in Endodontics	E			1	1	15	15	30	15	3
7.	SA	27I5_07	Calcium Silicate Cements in Endodontics	E			1	1	15	15	30	15	3
8.	SA	27I5_08	Irrigation Systems and Endodontic Protocols	E			1	1	15	15	30	15	3
9.	SA	27I5_09	New Technologies in the Prevention and Arrest of Hard Dental Tissue Lesions	E			1	1	15	15	30	15	3
10.	NS	27I5_10	Dental Care for Children with Medical Risks	E			1	1	15	15	30	15	3
11.	NS	27I5_11	Dental Treatment of Patients with Special Care Needs	E			1	1	15	15	30	15	3
12.	AO	27I5_12	Child Abuse and Neglect	E			1	1	15	15	30	15	3

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13.	NS	27I5_13	Traumatic dental injuries in children	E			1	1	15	15	30	15	3	
14.	SA	27I5_14	Complex Surgical Treatment of Jaw Cysts	E			1	1	15	15	30	15	3	
15.	SA	27I5_15	Periapical Microsurgery	E			1	1	15	15	30	15	3	
16.	NS	27I5_16	Radiographic Techniques in Oral Surgery	E			1	1	15	15	30	15	3	
17.	SA	27I5_17	Complex Surgery of Impacted Teeth	E			1	1	15	15	30	15	3	
18.	SA	27I5_18	Medically Compromised Patients in Oral Surgery	E			1	1	15	15	30	15	3	
19.	SA	27I5_19	Complex Therapy of Odontogenic Infections	E			1	1	15	15	30	15	3	
20.	SA	27I5_20	Pain Control Using Special Anesthesia Techniques in Oral Surgery	E			1	1	15	15	30	15	3	
21.	NS	27I5_21	Biomaterials in Regenerative Periodontal Treatment	E			1	1	15	15	30	15	3	
22.	NS	27I5_22	Gingival Recessions	E			1	1	15	15	30	15	3	
23.	SA	27I5_23	Tissue Engineering in Periodontology	E			1	1	15	15	30	15	3	
24.	SA	27I5_24	Specific Forms of Fixed Dental Restorations	E			1	1	15	15	30	15	3	
25.	SA	27I5_25	Esthetic Principles of Dental Restorations	E			1	1	15	15	30	15	3	
26.	SA	27I5_26	Ceramic Systems in Prosthodontics	E			1	1	15	15	30	15	3	
27.	SA	27I5_27	Zirconia in Prosthetic Dentistry	E			1	1	15	15	30	15	3	
28.	NS	27I5_28	Orofacial Pain in Prosthodontic Patients	E			1	1	15	15	30	15	3	
Total No. of classes of active teaching within Elective Block 5							28	28	420	420	840	420	84	

Year VI

No.	Course Type	Code	COURSE	Status	No. of classes of active teaching				Total No. of Classes			Other/ Pp-II	ECTS	
					Semester XI		Semester XII							
					L	P	L	P	L	P	Total			
45.	SA	ST27MAKS	Maxillofacial Surgery	O	2	2	2	2	60	60	120		9	
46.	NS	ST27ORLA	Otorhinolaryngology	O	1	2			15	30	45		5	
47.	TM	ST27SUME	Forensic Medicine	O	2	1			30	15	45		5	
48.	SA	ST27BLO1	Block: Restorative Dentistry	O			4	4	60	60	120	180	8	
49.	SA	ST27BLO2	Block: Pedodontics	O			2	2	30	30	60	75	7	
50.	SA	ST27IMPL	Implantology	O	2	2	1	2	45	60	105	15	7	
51.	SA	ST27ORTO	Dentofacial Orthopedics	O	2	3	2	2	60	75	135	30	10	
52.	NS	ST13ZARA	Thesis Defence	O								45	3	
53		ST27IZB6	Elective Block 6	E	2	2	2	2	60	60	120		6	
		Σ				11	12	13	14	360	390	750	345	60
		Total No. of classes of active teaching per year of study 47h x 15 weeks = 705												

Elective Block 6

No.	Course Type	Code	COURSE	Status	No. of classes of active teaching				Total No. of Classes			Other/ Pp-II	ECTS
					Semester XI		Semester XII						
					L	P	L	P	L	P	Total		
1.	SA	27I6_01	Indirect Tooth Restorations	E	2	2			30	30	60		3
2.	SA	27I6_02	Treatment of Tooth Discoloration in the Esthetic Zone	E	2	2			30	30	60		3
3.	NS	27I6_03	Behavioral Management Techniques and Minimal Sedation in Pediatric Dentistry	E	2	2			30	30	60		3
4.	NS	27I6_04	Deontological Aspects of Dental Practice	E	2	2			30	30	60		3
5.	SA	27I6_05	Endoscopic Operations of the Nose and Paranasal Sinuses	E	2	2			30	30	60		3
6.	SA	27I6_06	Treatment of Head and Neck Malignant Tumors	E			2	2	30	30	60		3
7.	SA	27I6_07	Dental Treatment of Oncological Patients	E			2	2	30	30	60		3
8.	SA	27I6_08	Postoperative Treatments in Maxillofacial Surgery	E	2	2			30	30	60		3
9.	SA	27I6_09	Patient Preparation for Surgical Correction of Dentofacial Deformities	E			2	2	30	30	60		3
10.	SA	27I6_10	Facial Surgery	E			2	2	30	30	60		3
11.	NS	27I6_11	3D Digital Technologies in Orthodontics	E			2	2	30	30	60		3

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12.	NS	27I6_12	The Fundamentals of Treatment with Fixed Orthodontic Appliances	E			2	2	30	30	60		3	
13.	NS	27I6_13	Orthodontic Management of Impacted Teeth	E			2	2	30	30	60		3	
14.	SA	27I6_14	Lingual Orthodontics	E			2	2	30	30	60		3	
15.	SA	27I6_15	Multidisciplinary Therapy in Orthodontics	E			2	2	30	30	60		3	
16.	SA	27I6_16	Orthodontic Mini-Implants	E			2	2	30	30	60		3	
17.	SA	27I6_17	Presurgical Orthodontic Treatment	E			2	2	30	30	60		3	
18.	SA	27I6_18	The use of CBCT in Orthodontics and Dentofacial Orthopedics	E	2	2			30	30	60		3	
19.	NS	27I6_19	Contemporary Radiology in Dentistry	E	2	2			30	30	60		3	
20.	NS	27I6_20	Computerized Dentistry	E	2	2			30	30	60		3	
21.	SA	27I6_21	Treatment Possibilities with Removable Orthodontic Appliances	E			2	2	30	30	60		3	
22.	SA	27I6_22	Digital Technologies in Implant Prosthodontics	E	2	2			30	30	60		3	
23.	SA	27I6_23	Materials in Implantology	E	2	2			30	30	60		3	
24.	SA	27I6_24	Design of Implant-Supported Restorations	E	2	2			30	30	60		3	
Total No. of classes of active teaching within Elective Block 6					24	24	24	24	720	720	1440		72	

Total No. of classes of active teaching per year of study	LECTURES	PRACTICALS	Σ - lectures+practicals	OTHER Pp/II
I	390	345	735	
II	420	315	735	
III	435	405	840	
IV	240	525	765	270
V	255	570	825	315
VI	360	390	750	345
TOTAL	2100	2550	4650	930
	4650		5580	