



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	Total		
					L	P	L	P					
1.	NS	ST20ANAT	Anatomy	C	2	2	4	4	90	90	180		16
2.	NS	ST20HIST	General and Oral Histology and Embryology	C	2	2	2	2	60	60	120		12
3.	NS	ST20BIOH	General and Oral Biochemistry	C	4	2			60	30	90		10
4.	TM	ST20GENE	Biology and Human Genetics	C	3	2			45	30	75		10
5.	AO	ST20ENGL	English Language	C	2	2			30	30	60		6
6, 7, 8		ST20IZB1	Elective Block 1	E	2	2	4	4	90	90	180		6
Σ					15	12	10	10	375	330			
Total No. of classes of active teaching per year of study 47 h x 15 weeks = 705											705		60

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	Total		
					L	P	L	P					
1.	AO	I 1 01	English for Academic Purposes	E	2	2			30	30	60		2
2.	AO	I 1 02	English for Dentistry (advanced course)	E			2	2	30	30	60		2
3.	TM	I_1_03	Histology Workshop: Tissues and Organs of the Orofacial System	E			2	2	30	30	60		2
4.	TM	I 1 04	Neurohistology	E			2	2	30	30	60		2
5.	AO	I 1 05	Mechanisms of Developmental Anomalies	E			2	2	30	30	60		2
6.	TM	I 1 06	Biology of Stem Cells	E			2	2	30	30	60		2
7.	TM	I_1_07	Mutagen Effects of Environmental Factors from Food, Water and Air	E			2	2	30	30	60		2
8.	TM	I_1_08	Molecular Biology Methods in Dental Medicine	E			2	2	30	30	60		2
9.	AO	I 1 09	Information Technologies in Dentistry	E	2	2			30	30	60		2

Chooses 6 ECTS

10.	AO	I_1_10	Basics of Biomechanics in Dentistry	E			2	2	30	30	60		2
11.	AO	I_1_11	Social Medicine and Epidemiology	E	2	2			30	30	60		2
12.	TM	I_1_12	Biochemistry of Bone Tissue	E			2	2	30	30	60		2
13.	AO	I_1_13	Medical Ecology	E	2	2			30	30	60		2
14.	AO	I_1_14	Nutrition and Oral Health	E	2	2			30	30	60		2
15.	AO	I_1_15	The Impact of Oral Health on the Quality of Life	E			2	2	30	30	60		2
16.	TM	I_1_16	Histological Techniques	E	2	2			30	30	60		2
17.	NS	I_1_17	Gene Therapy-Principles and Practice	E			2	2	30	30	60		2
18.	TM	I_1_18	Genetic Basis of Common Human Diseases	E			2	2	30	30	60		2
19.	TM	I_1_19	Viral Oncogenesis	E			2	2	30	30	60		2
20.	TM	I_1_20	Biochemical Characteristics of the Oral Pellicle	E			2	2	30	30	60		2
21.	SA	I_1_21	Ergonomy in Dentistry	E	2	2			30	30	60		2
Total No. of classes of active teaching within Elective Block 1					14	14	28	28	630	630	1260		42

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	Total		
					L	P	L	P					
9.	NS	ST20FIZL	General and Oral Physiology	C	4	2	4	2	120	60	180		13
10.	NS	ST20PATO	General and Oral Pathology	C	2	1	2	2	60	45	105		10
11.	NS	ST20PREV	Preventive Dentistry	C	3	3			45	45	90		9
12.	NS	ST20MIKR	Microbiology and Immunology	C	4	2			60	30	90		9
13.	TM	ST20DEAN	Dental Anatomy with the Fundamentals of Gnathology	C	1	2			15	30	45		8
14.	AO	ST20JAZD	Public Health	C			2	1	30	15	45		5
15,16, 17		ST20IZB2	Elective Block 2	E			6	6	90	90	180		6
				Σ	14	10	14	11	420	315			
Total No. of classes of active teaching per year of study 49 h x 15 weeks = 735											735		60

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	Total		
					L	P	L	P					
1.	TM	I_2_01	Oral Hygiene Products	E			2	2	30	30	60		2
2.	TM	I_2_02	Oral Homeostasis	E			2	2	30	30	60		2
3.	TM	I_2_03	Bone Tissue Physiology	E			2	2	30	30	60		2
4.	TM	I_2_04	Laboratory Diagnostics of Tumors in the Orofacial Region	E			2	2	30	30	60		2
5.	NS	I_2_05	Tumor Markers	E			2	2	30	30	60		2
6.	AO	I_2_06	Biostatistics in Dental Medicine	E			2	2	30	30	60		2
7.	AO	I_2_07	Management in Dentistry	E			2	2	30	30	60		2
8.	TM	I_2_08	Bad Habits and Oral Health	E			2	2	30	30	60		2
9.	NS	I_2_09	Microbiological Aspects of Infection Control in Dentistry	E			2	2	30	30	60		2
10.	NS	I_2_10	Biofilm in Dentistry and Medicine	E			2	2	30	30	60		2
11.	AO	I_2_11	Informatics in Dental Medicine	E			2	2	30	30	60		2
12.	TM	I_2_12	Physical Properties of Dental Materials	E			2	2	30	30	60		2
13.	AO	I_2_13	Biophysics in Dentistry	E			2	2	30	30	60		2
14.	TM	I_2_14	Viral Infections in Dentistry	E			2	2	30	30	60		2

**Chooses
6 ECTS**

15.	NS	I_2_15	Microbiological Diagnostics of Infections in the Oropharyngeal Region	E			2	2	30	30	60		2
16.	NS	I_2_16	The Concept of Personalized Medicine in Dentistry	E			2	2	30	30	60		2
17.	NS	I_2_17	Comparable Dental Anatomy	E			2	2	30	30	60		2
Total No. of classes of active teaching within Elective Block 2							34	34	510	510	1020		34

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	Total		
					L	P	L	P					
18.	NS	ST20PAFI	Pathophysiology	C	4	2			60	30	90		8
19.	TM	ST20PRMP	Preclinical Mobile Prosthodontics	C			2	3	30	45	75		7
20.	TM	ST20BOZP	Restorative Odontology-Preclinical	C	1	2	1	2	30	60	90		7
21.	NS	ST20OPHI	General Surgery	C			3	3	45	45	90		6
22.	NS	ST20INME	Internal Medicine	C	3	4			45	60	105		6
23.	NS	ST20MEDB	General Medicine	C	3	1			45	15	60		4
24.	TM	ST20REND	Fundamentals of Clinical Radiology	C	2	2	2	2	60	60	120		9
25.	TM	ST20FARM	Pharmacology in Dentistry	C	4	2			60	30	90		7
26,27.		ST20IZB3	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

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	Total		
					L	P	L	P					
1.	NS	I_3_01	New Technologies in the Prevention and Suppression of Solid Dental Tissue Lesions	E			2	2	30	30	60		3
2.	NS	I_3_02	Specificity of Oral Hygiene in Special Patient Groups	E			2	2	30	30	60		3
3.	SA	I_3_03	Prophylactic Measures in Restorative Dentistry	E			2	2	30	30	60		3
4.	TM	I_3_04	Physical Basis of Diagnostic and Therapeutic Methods	E			2	2	30	30	60		3
5.	TM	I_3_05	Saliva As a Diagnostic Fluid	E			2	2	30	30	60		3
6.	NS	I_3_06	Drug Abuse and Dental Practice	E			2	2	30	30	60		3
7.	TM	I_3_07	Etiopathogenesis of Oral Cavity Diseases	E			2	2	30	30	60		3
8.	NS	I_3_08	Molecular Mechanisms Involved in the Pathogenesis of Shock	E			2	2	30	30	60		3
9.	NS	I_3_09	Cellular and Molecular Mechanisms in the Pathogenesis of Atherosclerosis	E			2	2	30	30	60		3
10.	SA	I_3_10	Emergency Conditions in Internal Medicine and Dental Practice	E			2	2	30	30	60		3

**Chooses
6 ECTS**

11.	SA	I_3_11	Systemic Complications Caused by Oral infections	E			2	2	30	30	60		3
12.	SA	I_3_12	Emergencies in General Surgery	E			2	2	30	30	60		3
13.	TM	I_3_13	X-Ray Image Interpretation	E			2	2	30	30	60		3
14.	NS	I_3_14	Dental Biomechanics	E			2	2	30	30	60		3
15.	AO	I_3_15	Communication Skills In Dental Practice	E			2	2	30	30	60		3
16.	AO	I_3_16	Professional Ethics in Dentistry	E			2	2	30	30	60		3
17.	TM	I_3_17	Digital Photography	E			2	2	30	30	60		3
18.	NS	I_3_18	Color in Dentistry	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	Total			
					L	P	L	P						
28.	NS	ST20ANES	Anesthesia in Dentistry and Basic Principles of Oral Surgery	C			2	3	30	45	75	45	7	
29.	SA	ST20REOD	Restorative Odontology	C	1	5	1	4	30	135	165	45	10	
30.	SA	ST20MOBI	Removable Prosthodontics	C	1	6	1	6	30	180	210	60	10	
31.	TM	ST20FPRO	Preclinical Fixed Prosthodontics	C	1	3			15	45	60	30	7	
32.	SA	ST20ORME	Oral Medicine	C	2	2			30	30	60	30	7	
33.	TM	ST20PAR1	Preclinical Periodontology	C			2	2	30	30	60	30	7	
34.	TM	ST20PREN	Preclinical Endodontics	C			1	2	15	30	45	30	6	
35, 36.		ST20IZB4	Elective Block 4	E	4	2			60	30	90		6	
Σ						9	18	7	17	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/ Pp-II	ECTS
					Semester VII		Semester VIII		L	P	Total		
					L	P	L	P					
1.	NS	I_4_01	Materials for Direct Esthetic Restorations	E	2	1			30	15	45		3
2.	NS	I_4_02	Discolorations of Vital Teeth	E	2	1			30	15	45		3
3.	SA	I_4_03	Minimum Intervention Cariology	E	2	1			30	15	45		3
4.	SA	I_4_04	Dental Care for Children with Rare Diseases	E	2	1			30	15	45		3
5.	NS	I_4_05	Biochemistry of Body Fluids	E	2	1			30	15	45		3
6.	NS	I_4_06	Clinical Significance of the Topographical Anatomy of the Head and Neck	E	2	1			30	15	45		3
7.	NS	I_4_07	Clinical Significance of the Cranial Nerves	E	2	1			30	15	45		3
8.	NS	I_4_08	Head and Neck Cancer Prevention	E	2	1			30	15	45		3
9.	SA	I_4_09	Antibiotic Prophylaxis in High-Risk Patients	E	2	1			30	15	45		3
10.	SA	I_4_10	Ambulatory Sedation in Dentistry	E	2	1			30	15	45		3
11.	NS	I_4_11	Periodontal Manifestations of Local and Systemic Diseases	E	2	1			30	15	45		3
12.	SA	I_4_12	Prophylaxis in Contemporary Periodontal Treatment	E	2	1			30	15	45		3

**Chooses
6 ECTS**

13.	SA	I_4_13	Oral Potentially Malignant Disorders and the Contemporary Concept of Diagnostics	E	2	1		30	15	45		3
14.	SA	I_4_14	Principles of Diagnostics in Oral Medicine	E	2	1		30	15	45		3
15.	NS	I_4_15	Principles of Treatment of Oral Diseases and Adverse Drug Reactions	E	2	1		30	15	45		3
16.	NS	I_4_16	Autoimmune Diseases of the Oral Mucosa	E	2	1		30	15	45		3
17.	NS	I_4_17	Oral Mucosal Diseases in Immunocompromised Patients	E	2	1		30	15	45		3
18.	NS	I_4_18	Gerodontology	E	2	1		30	15	45		3
Total No. of classes of active teaching within Elective Block 4					36	18		540	270	810		54

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	Total		
					L	P	L	P					
37.	SA	ST20DEST	Pediatric Dentistry	C	2	3	2	3	60	90	150	60	11
38.	SA	ST20ORAL	Oral Surgery	C	2	3	2	3	60	90	150	60	10
39.	SA	ST20FSPR	Fixed Prosthodontics	C	2	6	1	6	45	180	225	60	12
40.	SA	ST20PAR2	Clinical Periodontology	C	2	3			30	45	75	45	10
41.	SA	ST20ENDO	Endodontics	C	1	5	1	4	30	135	165	60	11
42,43.		ST20IZB5	Elective Block 5	E			2	2	30	30	60	30	6
Σ					9	20	8	18	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	Total		
					L	P	L	P					
1.	SA	I_5_01	Root Canal Obturation - Obturation Techniques and Materials	E			1	1	15	15	30	15	3
2.	SA	I_5_02	Rotary Instruments in Endodontics	E			1	1	15	15	30	15	3
3.	SA	I_5_03	Treatment Planning for Chronic Periapical Inflammatory Lesions	E			1	1	15	15	30	15	3
4.	SA	I_5_04	Root Canal Chemical Treatment During Endodontic Therapy	E			1	1	15	15	30	15	3
5.	SA	I_5_05	Pain Management in Endodontics	E			1	1	15	15	30	15	3
6.	SA	I_5_06	Visualization Methods in Endodontics	E			1	1	15	15	30	15	3
7.	SA	I_5_07	Calcium Silicate Cements in Endodontics	E			1	1	15	15	30	15	3
8.	SA	I_5_08	Irrigation Systems and Endodontic Protocols	E			1	1	15	15	30	15	3
9.	SA	I_5_09	Application of Diode Lasers in Pediatric Dentistry	E			1	1	15	15	30	15	3
10.	NS	I_5_10	Dental Care for Children with Medical Risks	E			1	1	15	15	30	15	3
11.	NS	I_5_11	Dental Treatment of Patients with Special Care Needs	E			1	1	15	15	30	15	3
12.	AO	I_5_12	Child Abuse and Neglect	E			1	1	15	15	30	15	3
13.	NS	I_5_13	Chemoprophylaxis of Oral Diseases in Childhood	E			1	1	15	15	30	15	3
14.	SA	I_5_14	Complex Surgical Treatment of Jaw Cysts	E			1	1	15	15	30	15	3

**Chooses
6 ECTS**

15.	SA	I_5_15	Periapical Microsurgery	E			1	1	15	15	30	15	3		
16.	NS	I_5_16	Radiographic Techniques in Oral Surgery	E			1	1	15	15	30	15	3		
17.	SA	I_5_17	Complex Surgery of Impacted Teeth	E			1	1	15	15	30	15	3		
18.	SA	I_5_18	Medically Compromised Patients in Oral Surgery	E			1	1	15	15	30	15	3		
19.	SA	I_5_19	Complex Therapy of Dentogenic Infections	E			1	1	15	15	30	15	3		
20.	SA	I_5_20	Pain Control Using Special Anesthesia Techniques in Oral Surgery	E			1	1	15	15	30	15	3		
21.	NS	I_5_21	Biomaterials in Regenerative Periodontal Treatment	E			1	1	15	15	30	15	3		
22.	SA	I_5_22	Periodontal-Restorative Interrelationships	E			1	1	15	15	30	15	3		
23.	NS	I_5_23	Gingival Recessions	E			1	1	15	15	30	15	3		
24.	SA	I_5_24	Tissue Engineering in Periodontology	E			1	1	15	15	30	15	3		
25.	SA	I_5_25	Specific Forms of Fixed Dental Restorations	E			1	1	15	15	30	15	3		
26.	SA	I_5_26	Esthetic Principles of Dental Restorations	E			1	1	15	15	30	15	3		
27.	SA	I_5_27	Ceramic Systems in Prosthodontics	E			1	1	15	15	30	15	3		
28.	SA	I_5_28	Zirconia in Prosthetic Dentistry	E			1	1	15	15	30	15	3		
29.	NS	I_5_29	Orofacial Pain in Patients in Dental Prosthetics	E			1	1	15	15	30	15	3		
Total No. of classes of active teaching within Elective Block 5									29	29	435	435	870	435	87

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	Total		
					L	P	L	P					
44.	SA	ST20MAKS	Maxillofacial Surgery	O	2	2	2	2	60	60	120		9
45.	NS	ST20ORLA	Otorhinolaryngology	O	1	2			15	30	45		5
46.	TM	ST20SUME	Forensic Medicine	O			2	1	30	15	45		5
47.	SA	ST20BLO1	Block: Restorative Dentistry	O	2	2	2	2	60	60	120	180	8
48.	SA	ST20BLO2	Block: Pedodontics	O			2	2	30	30	60	75	7
49.	SA	ST20IMPL	Implantology	O	2	2			30	30	60	15	7
50.	SA	ST20ORTO	Dentofacial Orthopedics	O	2	3	2	2	60	75	135	30	10
51.	NS	ST13ZARA	Thesis Defence	O								45	3
52,53.		ST20IZB6	Elective Block 6	E	2	2	2	2	60	60	120		6
				Σ	11	13	12	11	345	360	705	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	Total		
					L	P	L	P					
1.	SA	I_6_01	Indirect Tooth Restorations	E	2	2			30	30	60		3
2.	SA	I_6_02	Treatment of Tooth Discoloration in the Esthetic Zone	E	2	2			30	30	60		3
3.	NS	I_6_03	Behavior Management in Pediatric Dentistry	E	2	2			30	30	60		3
4.	SA	I_6_04	Minimal Sedation in Pediatric Dentistry	E	2	2			30	30	60		3
5.	NS	I_6_05	Deontological Aspects of Dental Practice	E			2	2	30	30	60		3
6.	SA	I_6_06	Endoscopic Operations of the Nose and Paranasal Sinuses	E	2	2			30	30	60		3
7.	SA	I_6_07	Clinical Assessment of the Sinonasal Diseases	E	2	2			30	30	60		3
8.	SA	I_6_08	Treatment of Head and Neck Malignant Tumors	E			2	2	30	30	60		3
9.	SA	I_6_09	Dental Treatment of Oncological Patients	E			2	2	30	30	60		3
10.	SA	I_6_10	Postoperative Treatments in Maxillofacial Surgery	E	2	2			30	30	60		3
11.	SA	I_6_11	Patients Preparation for Surgical Correction of Dentofacial Deformity	E			2	2	30	30	60		3

**Chooses
6 ECTS**

12.	SA	I_6_12	Surgery of the Face	E			2	2	30	30	60		3
13.	SA	I_6_13	Endoscopic Surgery of the Maxillary Sinus	E	2	2			30	30	60		3
14.	SA	I_6_14	Navigation Implantology	E	2	2			30	30	60		3
15.	NS	I_6_15	Principles of Regenerative Therapy	E	2	2			30	30	60		3
16.	NS	I_6_16	3D Digital Technologies in Orthodontics	E			2	2	30	30	60		3
17.	NS	I_6_17	Fixed Orthodontics	E			2	2	30	30	60		3
18.	NS	I_6_18	Orthodontic Management of Impacted Teeth	E			2	2	30	30	60		3
19.	SA	I_6_19	Lingual Orthodontics	E			2	2	30	30	60		3
20.	SA	I_6_20	Multidisciplinary Therapy in Orthodontics	E			2	2	30	30	60		3
21.	SA	I_6_21	Orthodontic Mini-implants	E			2	2	30	30	60		3
22.	SA	I_6_22	Presurgical Orthodontic Treatment	E			2	2	30	30	60		3
23.	SA	I_6_23	The use of CBCT in Orthodontics and Dentofacial Orthopedics	E	2	2			30	30	60		3
24.	NS	I_6_24	Up-To-Date Radiology In Dentistry	E	2	2			30	30	60		3
25.	NS	I_6_25	Computerized Dentistry	E	2	2			30	30	60		3
26.	SA	I_6_26	Maxillofacial Prosthodontics	E			2	2	30	30	60		3
Total No. of classes of active teaching within Elective Block 6					26	26	26	26	780	780	1560		78

LEGEND:

AO	Academic-general education
TM	Theoretical-methodological
NS	Scientific-specialist
SA	Specialist-applicative
Other/ Pp-II	Professional practice within the course
	Clinical courses
	Preclinical courses
C	Compulsory course
E	Elective course

Total No. of classes of active teaching per year of study	LECTURES	PRACTICALS	Σ - lectures+practicals	OTHER Pp/II
I	375	330	705	
II	420	315	735	
III	435	405	840	
IV	240	525	765	270
V	255	570	825	315
VI	345	360	705	345
TOTAL	2070	2505	4575	930
	4575		5505	