

School of Dental Medicine
University of Belgrade

Doctoral Studies (DAS)

Basic and Clinical Research in Dentistry

Study Program of Doctoral Studies: Basic and Clinical Research in Dentistry
Curriculum Structure per Semester and Year of Study

No	Code	COURSE	S	No. of classes of active teaching			ECTS
				L	SIR	OTHER	
Year I							
1	27.D27MET	Introduction to Methodology and Ethics of Scientific Research	1	4.00	3.00	0.0	11.00
2	27.D27STA	Medical Statistics	1	3.00	3.00	0.0	9.00
3	27.D27IZ1	Elective Block 1 (choosing 1 of 6)	1	4.00	3.00	0.0	10.00
	27.D27PEN	Principles of Epidemiological Sciences in Dental Public Health	1	4.00	3.00	0.00	10.00
	27.D27BMS	Stem Cell Biology and Cell Signalling	1	4.00	3.00	0.00	10.00
	27.D27BNI	Biomedical Scientific Informatics	1	4.00	3.00	0.00	10.00
	27.D27BPS	Biomechanical Principles in Dental Sciences	1	4.00	3.00	0.00	10.00
	27.D27RAZ	Development and Developmental Anomalies of the Orofacial System	1	4.00	3.00	0.00	10.00
	27.D27RAD	Radiological Procedures in Dentistry	1	4.00	3.00	0.00	10.00
Total No. of classes per teaching type in block				11.00	9.00	0.00	
Total No. of classes of active teaching and ECTS in block				20.00			30.00
Total No. of classes y in block				20.00			
4	27.D27PUB	Publishing in Biomedical Sciences	2	3.00	3.00	0.0	9.00
5	27.D27LAB	Laboratory Procedures and Functional Testing of the Orofacial Region	2	4.00	3.00	0.0	11.00
6	27.D27IZ2	Elective Block 2 (choosing 1 of 6)	2	4.00	3.00	0.0	10.00
	27.D27FUN	Assessment of Changes in the Quality of the Osseus Fundament from the Aspect of Prosthetic Treatment Planning	2	4.00	3.00	0.00	10.00
	27.D27FOT	Principles of Photography of the Orofacial Region in Scientific Research	2	4.00	3.00	0.00	10.00
	27.D27BMA	Research of Biomaterials for Application in Dentistry	2	4.00	3.00	0.00	10.00
	27.D27IRM	Research of Reconstructive Methods and Materials	2	4.00	3.00	0.00	10.00
	27.D27RDR	Growth, Differentiation and Regeneration of Oral Tissues	2	4.00	3.00	0.00	10.00
	27.D27FSB	Physiological States and Systemic Diseases – the Impact on the Orofacial Region	2	4.00	3.00	0.00	10.00
Total No. of classes per teaching type in block				11.00	9.00	0.00	
Total No. of classes of active teaching and ECTS in block				20.00			30.00
Total No. of classes in block				20.00			
Total No. of classes per teaching type per year of study				22.00	18.00	0.00	
Total No. of classes of active teaching per year of study and ECTS				40.00			60.00
Total No. of classes per year of study				40.00			
Year II							
7	27.D27IZ3	Elective Block 3 (choosing 2 of 19)	3	8.00	8.00	0.0	26.00
	27.D27EKS	Procedures for Operating with Experimental Animals	3	4.00	4.00	0.00	13.00
	27.D27NMS	Advanced Medical Statistics	3	4.00	4.00	0.00	13.00
	27.D27TSM	Transduction Signalling Molecules in Oral Tissues in Physiological and Diseased Conditions	3	4.00	4.00	0.00	13.00
	27.D27EIR	Epidemiological Studies of Orofacial Diseases	3	4.00	4.00	0.00	13.00
	27.D27KBO	Orofacial Pain Control	3	4.00	4.00	0.00	13.00
	27.D27MMZ	Molecular Mechanisms in Inflammatory Oral Diseases	3	4.00	4.00	0.00	13.00
	27.D27RDE	Materials, Therapeutics and Medical Devices in Restorative and Pediatric Dentistry and Endodontics	3	4.00	4.00	0.00	13.00
	27.D27PRI	Prospective and Retrospective Investigations in the Rehabilitation of the Orofacial Complex	3	4.00	4.00	0.00	13.00
	27.D27PAK	Pathohistological Characteristics of Tumors of the Orofacial Region	3	4.00	4.00	0.00	13.00
	27.D27MOL	Molecular Genetic Studies of Orofacial Diseases	3	4.00	4.00	0.00	13.00
	27.D27BPO	Biochemical Markers in Oral Diseases	3	4.00	4.00	0.00	13.00
	27.D27KVP	Quality of Life of Patients with Orofacial Diseases	3	4.00	4.00	0.00	13.00
	27.D27POV	Research and Definition of the Risk of Oral Diseases and Dental Injuries	3	4.00	4.00	0.00	13.00
	27.D27PAZ	Experimental Research of Periodontal Diseases	3	4.00	4.00	0.00	13.00
	27.D27PRO	Prospective and Retrospective Investigations of Dental Tissue Reconstruction	3	4.00	4.00	0.00	13.00
	27.D27MAT	Clinical Application of Stem Cells in Dentistry	3	4.00	4.00	0.00	13.00
	27.D27IMS	Instrumental Methods in Dentistry	3	4.00	4.00	0.00	13.00
	27.D27MOD	Modulation of the Oral Biofilm	3	4.00	4.00	0.00	13.00

		27.D27BIO	Biologically Active Molecules as Inducers of Pulp-Dentin Reparation	3	4.00	4.00	0.00	13.00
8	27.D27POM	Doctoral dissertation: collaborative work with the potential supervisor		3	0.00	4.00	0.00	4.00
Total No. of classes per teaching type in block					8.00	12.00	0.00	
Total No. of classes of active teaching and ECTS in block					20.00			30.00
Total No. of classes y in block					20.00			
9	27.D27KON	Doctoral dissertation: conference presentation published in a book of abstracts		4	0.00	11.00	0.0	8.00
10	27.D27SAM	Doctoral dissertation: independent research work		4	0.00	9.00	0.0	7.00
11	27.D27DD1	Doctoral dissertation: execution (Stage 1)		4	0.00	0.00	10.0	15.00
Total No. of classes per teaching type in block					0.00	20.00	10.00	
Total No. of classes of active teaching and ECTS in block					20.00			30.00
Total No. of classes in block					30.00			
Total No. of classes per teaching type per year of study					8.00	32.00	10.00	
Total No. of classes of active teaching per year of study and ECTS					40.00			60.00
Total No. of classes per year of study					50.00			
Year III								
12	27.D27MTR	Doctoral dissertation: collaborative work with the supervisor		5	0.00	20.00	0.0	20.00
13	27.D27DD2	Doctoral dissertation: execution (Stage 2)		5	0.00	0.00	10.0	10.00
Total No. of classes per teaching type in block					0.00	20.00	10.00	
Total No. of classes of active teaching and ECTS in block					20.00			30.00
Total No. of classes y in block					30.00			
14	27.D27SCI	Doctoral dissertation: Publishing an article in a journal indexed in SCI		6	0.00	14.00	0.0	10.00
15	27.D27DDP	Doctoral dissertation: execution and defense		6	0.00	6.00	0.0	15.00
16	27.D27DDS	Doctoral dissertation: execution and defense		6	0.00	0.00	6.0	5.00
Total No. of classes per teaching type in block					0.00	20.00	6.00	
Total No. of classes of active teaching and ECTS in block					20.00			30.00
Total No. of classes in block					26.00			
Total No. of classes per teaching type per year of study					0.00	40.00	16.00	
Total No. of classes of active teaching per year of study and ECTS					40.00			60.00
Total No. of classes per year of study					56.00			