

1	Subject	PREVENTIVE DENTISTRY			
2	Code	DPS309			
3	Study Program	Study Program of Integrated studies in dental medicine			
4	Organizing Institution (Unit, Institute, Chair, Department)	UKIM- Faculty of Dentistry-Skopje Department of Pediatric and Preventive Dentistry			
5	Educational degree (first or second cycle)	Integrated study			
6	Study year/semester	3/6	7	Number of credits	4
8	Teacher	Department teaching staff			
9	Preconditions	Passed all compulsory courses of 1 and 2 semester. Signatures of 3 and 4 semester courses			
10	<p>Course goals / Competences:</p> <p>After listening to theoretical lessons, practical exercises and passing the exam, the student should:</p> <ul style="list-style-type: none"> - be able to carry out an examination, assess the degree of oral hygiene of the patient and determine caries- risk assessment; - be able to give advice on proper nutrition for maintaining oral health - be able to administer endogenous and exogenous fluoroprophyllaxis - assess the need for pit and fissure sealing and implement the technique - to detect an initial carious lesion and to implement all the necessary preventive methods to stop it 				
11	Brief content				
	Theoretical course				Class
	Preventive dentistry, subject, definition, goals and objectives. Oral Health and Oral Disease Categories, Levels of Prevention, Preventive Dentistry and Other Dental and Medical Disciplines				2
	Oral homeostasis, the role of saliva in oral homeostasis, mucosal barrier, biological mechanisms of enamel surface defense, de- and remineralization processes, remineralizing agents				4
	Dental plaque (formation, composition, metabolic activities, mechanical and chemical control				4
	Etiology of dental caries, chronology of research, contemporary definition of the disease, primary and secondary factors in the etiology of dental caries				2
	Influence of diet on oral disease occurrence, impact of diet on developing and functioning teeth, role of sugars, sugars substitutes, fats, proteins, vitamins and minerals, cariogenic potential of food				2
	Fluoride prophylaxis and oral diseases, chemical and biological properties of fluoride, prevalence, bio kinetics, toxicology, mechanism of cariostatic fluoride action, fluoride in dental caries prevention, endogenous and exogenous fluoride				4
	Method of fissure and pit sealing in dental caries prevention, definition, meaning, indications and contraindications, technique of performance, materials for sealing				2
	The role of oral hygiene in the prevention of oral diseases (dental caries and periodontal disease), oral hygiene kits, technique, frequency and length of brushing				2
	Caries risk assessment, diet, oral hygiene, quantity, buffering capacity, salivary microorganisms, karyogram				2
	Tooth erosion, etiology, external, internal, biological factors and prevention				1
	Preventive and interceptive orthodontics, etiology and prevention of orthodontic anomalies in prenatal and postnatal life, premature loss of deciduous teeth, interceptive measures in preschool and school-age children				1
	Prophylactic measures in the prevention of periodontal disease, chemoprophylaxis of oral diseases				1
	Prevention of traumatic injuries to the teeth and jaws, predisposing factors, use of protectors				1
	Promotion of oral health, strategies for preservation and promotion of oral health, dental education, methods and means of dental education, impact of motivational factors on dental education				2
	Total				30

Practical lessons:			Class	
Introductory exercises, oral health and categories of oral diseases, levels of prevention, patient admission and plan of preventive dental practice			4	
Role of dental plaque in the occurrence of dental caries, plaque indicators, modes of mechanical and chemical control			4	
Oral hygiene, basic and auxiliary equipment, technique, duration, frequency of brushing			4	
Caries risk assessment, diet, oral hygiene, quantity, buffering capacity, salivary microorganisms, karyogram			3	
Fluoride in dental caries prevention, endogenous and exogenous methods, combined methods, home and professional use of fluoride			4	
Methods of fissure and pit sealing, indications, and contraindications, procedure of application, materials for sealing			4	
Education and motivation in promoting oral health, holding educational lectures and workshops in preschools and schools			4	
Detection of an initial carious lesion			3	
Total			30	
12	Methods of studying: class room oriented lectures, interactive lectures, group work, practical training, seminar paper			
13	Total available time	120 classes		
14	Organization of the course	30 classes - theoretical course, 30 classes- practical course, 60 classes - home individual learning and other activities		
15	Forms of teaching activities	15.1.	Theoretical course	30 classes
		15.2.	Practical course, seminars	Practical course- 30 classes
16	Other forms of activities	16.1.	Project tasks	
		16.2.	Individual tasks	
		16.3.	Individual (home) learning	75 classes
17	Method of assessment	17.1.	Tests	30 points
		17.2.	Active participation, seminar paper/project (oral/written presentation)	10 points
		17.3.	Final (oral) exam	60 points
18	Grading criteria (points / grade)	Up to 59 points		5 (five) (F)
		from 60 to 67 points		6 (six) (E)
		from 68 to 75 points		7 (seven) (D)
		from 76 to 84 points		8 (eight) (C)
		from 85 to 93 points		9 (nine) (B)
		from 94 to 100 points		10 (ten) (A)
19	Requirement for signature and taking the final exam	<p>The student is required to actively follow all planned activities.</p> <p>Conditional criteria for assessment of knowledge:</p> <p>In order to obtain a signature, the student should receive minimum points in both theoretical and practical courses, and present a seminar paper;</p> <p>To take the final exam, the student should receive the minimum points of the activity and the test;</p> <p>If the student does not receive the minimum points in the continuing assessments, the next exam session will have a paper part of the exam (70 points) and a final exam (30 points)</p>		

20	Language of the course	English				
21	Method for evaluation of the quality of education	Anonymous student's evaluation of the subject, teachers and collaborators is involved in the educational activities				
22	Literature					
	22.1.	Mandatory textbooks				
		No.	Author	Title	Publisher	Year
		1	Harris O.N., Garcia-Godoy F., Nathe C.N.	Primary Preventive Dentistry	Pearson	2013
		2	Limeback H.	Comprehensive Preventive Dentistry	Wiley Blackwell	2012
		3	Vulovic M, D. et all	Preventive Dentistry	Faculty of Dentistry-Beograd	2002
		4	Carcev M.	Preventive Dentistry	NUB-Skopje	2006
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1	Ivanovski K., Pandilova M.	Oral Health	Faculty of Dentistry-Skopje	2008
		2	Jankulovska M.	Oral fluid fluoride in dental caries prevention	Faculty of Dentistry-Skopje	2006
		3	Stevanovic M.	Microelements, nutrition and caries	Faculty of Dentistry-Skopje	2004