

1	Subject	<b>NEUROLOGY</b>			
2	Code	DNR313			
3	Study Program	Study Program of Integrated studies in dental medicine			
4	Organizing Institution (Unit, Institute, Chair, Department)	Faculty of Medicine, UKIM - Skopje Department of Neurology			
5	Educational degree (first or second cycle)	Integrated study			
6	Study year/semester	3 <sup>rd</sup> year/VI semester	7	Number of credits	2
7	Teacher	Professors from the Department of Neurology			
8	Preconditions	/			
9	Teaching goals: Introduction (acquainting) to the neurological diseases, etiology, pathogenesis, clinical status, diagnosis and therapy of the neurological diseases				
10	<b>Brief content</b>				
	<b>Theoretical course</b>				Class
	Nerves craniates: Anatomy, physiology, pathology of the craniates nerves I, II, III, IV, V, VI. Nerves craniates: Anatomy, physiology, pathology of the craniates nerves VII, VIII, IX, X, XI, XII. Diseases and injuries of the spinal roots, nerve entanglements and nerves. Multiple sclerosis. Epilepsy : etio-pathogenesis, clinical forms, diagnosis and therapy. Encephalitis: acute viral encephalitis, subacute scleroses panencephalitis. Apoplexy: ischemic stroke, thrombosis, embolism. Hemorrhagic stroke: intra-cerebral hemorrhage, subarachnoid hemorrhage. Tumors of the Large Brain and Spinal Cord: benign, malignant. Pathology. Diseases of the Small Brain: tumors, ataxia, vascular and inflammatory diseases. Migraine and others headaches: etiology, pathogenesis, clinical forms, diagnosis and differential diagnosis. Extra-pyramidal system diseases: Parkinsonism, Wilson disease, Chorea minor. Neuropathies. Myopathies.				15
	Total				15
	<b>Practical lessons:</b>				Class
	Neurological status. Motility testing. Practical work with patients: motility testing with central and peripheral type of outbreaks. Neurological status. Nerves craniates from I to VII. Practical work at patients with cranial nerve disorders I to VII. Neurological status. Cranial nerve from VII to XII. Practical work in patients with a disorder of the innervations of these nerves. Neurological status. Sensibility. Surface sensitivity. Puncta dolorosa. Lasegue. Romberg. Sensitivity testing in patients with sensitivity disorder. Neurological status. Examination of the reflexes: tendons, mucous, pathological. Practical work at patients with cerebral apoplexy. Practical work at epilepsy sufferers. Anamnesis, complete neurological status. Practical work at patients with cerebral tumors. Anamnesis, complete neurological status. Practical work at patients with spinal symptoms. Anamnesis, complete neurological status. Practical work at patients with peripheral nerve injures. Anamnesis, complete neurological status. Practical work at patients with hereditary degenerative diseases. Anamnesis, discussion about the neurological status. Clinical diagnostic methods: Doppler sonography, cerebral angiography. Introducing with the principles of EEG and EMG.				15
Total				15	
11	Methods of studying: classroom oriented lectures, interactive lectures, group work, practical training and other forms established by common ECTS criteria				
12	Total available time	60 classes			
13	Organization of the course	15 classes - theoretical course, 15 classes - practical course, 30 classes - home individual learning and other activities			
14	Forms of teaching activities	14.1.	Theoretical course		15 classes
		14.2.	Practical course		30 classes

15	Other forms of activities	15.1.	Project tasks			
		15.2.	Individual tasks			
		15.3.	Individual (home) learning			30 classes
16	Method assessment of	16.1.	Tests			30 points
		16.2.	Active participation, seminar paper/project (oral/written presentation)			10 points
		16.3.	Final (oral) exam			60 points
17	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)	
18	Requirements for signature and taking the final exam	In order to receive the signature, student is required to actively follow all of the planned activities during theoretical and practical classes. In order to be eligible to take the final (oral) exam, the student needs to have passed the foreseen tests.				
19	Language of the course	English language				
20	Method for evaluation of the quality of education	Anonymous student's evaluation of the subject, teachers and collaborators involved in the educational activities, as well as the portion of students that will successfully pass the subject.				
21	<b>Literature</b>					
	21.1.	<b>Mandatory textbooks</b>				
		No.	Author	Title	Publisher	Year
		1.	Арсовска А. и сор.	Неврологија за по стоматологија	Балкан Принт Центар, Скопје	2009
	21.2.	<b>Additional literature</b>				
		No.	Author	Title	Publisher	Year
		1.	Петрова В.	Основни принципи во неврологијата	Просветно дело, Скопје	2002
2.		Roger S, Aminof M, Gringerb D	Clinical Neurology	Mc GrawHill Companies Inc.	2009	