

1	Subject	<b>GENERAL SURGERY</b>			
2	Code	DHG308			
3	Study Program	Study Program of Integrated studies in dental medicine			
4	Organizing Institution (Unit, Institute, Chair, Department)	UKIM - Faculty of Medicine Department of Surgery			
5	Educational degree (first or second cycle)	Integrated study			
6	Study year/semester	3/6	7	Number of credits	5
8	Teacher	Responsible teacher: Assoc. Prof. Dr. Elizabeta Zogovska Mircevska  Head of Department: Assoc. Prof. Dr. Boro Dzonov  * the teaching is conducted by teachers of Department of Surgery, Faculty of Medicine			
9	Preconditions	Passed all compulsory courses of 1 and 2 semester. Signatures of 3 and 4 semester courses			
10	Teaching goals:	<ul style="list-style-type: none"> <li>• The student has to learn and master the skills within rational diagnostics and modern treatment of surgical diseases.</li> <li>• Introduction of the student to the basic principles of diagnosis, operative preparation, and treatment within general surgery.</li> <li>• Basic knowledge of basic surgical principles.</li> <li>• Basic knowledge of wounds and wound healing.</li> <li>• Basic knowledge of surgical oncology and anesthesiology.</li> <li>• Knowledge of asepsis, antisepsis and infection control.</li> <li>• Knowledge of craniocerebral and craniofacial injuries.</li> </ul>			
11	<b>Brief content</b>				
	<b>Theoretical course</b>				<b>Class</b>
	Introduction to Surgery. Basic surgical principles. Operating room and basic surgical instruments. Asepsis, antisepsis and infection control. Nonspecific and specific surgical infections. - Prof. Dr. Mircevski				3
	Systemic response to injury. Mechanical injuries. Initial care and treatment of injuries. Fractures, dislocations and sprains. Injuries in war conditions and treatment of injuries in military terms - Prof. Dr. Kafantziev				2
	Wounds, healing of wounds, treatment of wounds. Thermal injuries. - Assoc. Prof. Dr. Mircevska				3
	Head and neck infections. - Assoc. Prof. Dr. Mirchevska				2
	Cutaneous defects. Closure of cutaneous defects with skin flaps. Skin transplantation. - Assoc. Prof. d-r Boro Dzonov				2
	Bleeding, hemostasis and blood transfusions. - Assoc. Prof. Dr. Colancevski				2
	General Anesthesia, Principles and Types. Anesthesia for dentists and local anesthesia. Craniocerebral injuries and spatiocompressive syndromes. - Prof. Dr. Damjanovski				3
	<b>TEST 1 - first colloquium on current topics</b>				
	Peripheral nerve injuries. Neuralgia of n. trigeminus. Tumors of the brain and medulla spinalis. - Prof. Dr. Mircevski				3
	Spontaneous intracranial bleeding, quantitative disturbances of consciousness (GCS), degenerative diseases of the spinal column (spinal stenosis, herniated disc, spondylolisthesis) - Prof. Dr. Stolevski				2
	Medial and lateral cysts to the neck, Palatoschisis, cheiloschisis, cheilo-palato-schisis - Assoc. Prof. Dr. Todorovic				2

	Childhood injuries - Assoc. Prof. Dr. Todorovic		2
	Tumors of the skin – Research assoc. Lazo Noveski		2
	Fractures of the spine, pelvis, upper and lower limb - Prof. Dr. Kafantziev		3
	Thyroid and parathyroid diseases. Diseases of the esophagus, foreign bodies in the esophagus. Breast diseases. - Prof. Dr. Kondov		3
	Tumors of the respiratory tract. Foreign bodies in the respiratory tract - treatment. Chest Injuries. - Prof. Dr. Spirovski		2
	Diseases of the arteries, veins and lymphatics. - Assoc. Prof. Dr. Colancevski		3
	Diseases of the kidney, ureter, urethra, prostate and bladder - Prof. Dr Ristovski		3
	Abdominal injuries, acute abdominal pain, gastric diseases. Diseases of the liver, pancreas and biliary system. - Prof. Dr. Jota		3
	<b>TEST 2 - Final test</b>		
	Total		45
	<b>Practical lessons:</b>		Class
	Mastering clinical skills and practical application of acquired theoretical knowledge. The student is introduced to the basic concepts of surgical practice by working in small groups in exercises. The student examines patients, and participates in basic treatment procedures. Attends and assists in the procedure for initial and definitive diagnosis, treatment and follow-up of surgical patients.		30
	Total		30
12	Methods of studying: interactive lectures, tutorials, small group work exercises.		
13	Total available time	150 classes	
14	Organization of the course	45 classes - theoretical course, 30 classes- practical course, 75 classes - home individual learning and other activities	
15	Forms of teaching activities	15.1.	Theoretical course 45 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 25 points min 15 - max. 25
		17.2.	Active participation, seminar paper/project (oral/written presentation) 15 points 1. Lectures - 5 points *Presence at theoretical classes and lectures 30% -50% 1 point 51% -70% 3 points 71% -100% 5 points 2. Exercises - 10 points

				*Attendance at practical classes and exercises  30% -50% 6 points 51% -70% 8 points 71% -100% 10 points		
		17.3.	Final (oral) exam The student is obliged to earn a minimum of the assigned points for each part of the exam separately, so that the marks for the final exam can be written. Otherwise the test is failed.	60-points  min 36 - max. 60		
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>In order to receive a signature, the student is required to attend theoretical classes, participate actively in practical classes and pass continuous examinations.</p> <p>In order to pass the final exam in the exam session, the student must have passed each of the scheduled continuous checks with a minimum of 60% points.</p> <p>If during the semester he / she has not passed the continuous exams, the student passes the complete exam (in the exam session he / she passes the unsuccessful continuous exams first and then passes the final exam).</p> <p>The grade for the subject is formed according to the grade table, and based on the sum of the points of all activities, continuous checks and final exam.</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 involved in the educational activities				
22	<b>Literature</b>					
	22.1.	<b>Mandatory textbooks</b>				
		No.	Author	Title	Publisher	Year
		1.	Courtney M. Townsend, Jr., MD, R. Daniel Beauchamp, MD, B. Mark Evers, MD and Kenneth L. Mattox, MD	Sabiston Textbook of Surgery, 19th Edition	Part of the program of the government of RM for translation of textbooks	2012
	2.	Department of Surgery	Special surgery	University "St. Cyril and Methodius" Medical Faculty of Skopje	2013	
22.2.	<b>Additional literature</b>					
	No.	Author	Title	Publisher	Year	

		1.	J. Panovski	General and special surgery	University "St. Cyril and Methodius "	1988
		2.	G. Kondov	Thoracic surgery	Makavej	2009
		3.	J. Ugrinovski S. Jovkovski I. Pangovski K. Lozance C. Stolevski	Neurosurgery	Macedonian culture Skopje	2002
		4.	I. Todorov S. Jovkovski C. Georgiev M. Gavrilovski Z. Spirovski C. Janevski	Clinical traumatology	Prosvetno delo Skopje	2000
		5.	G. Kondov	Breast disease	Makavej	2001
		6.	S. Jovkovski	Cranio cerebral injuries	Detska radost	1998
		7.	A. Stavridis	Urinary tract calculus	Kočani: Evropa-92	2003
		8.	Maria Sholjakova and Associates	Anesthesiology and Resuscitation	Biografika	2007