CURRICULUM OF STUDY PROGRAMME MEDICAL ENGINEERING LABORATORY

Title: Bachelor of Medical-Laboratory Engineering (240 ECTS)

starting with academic 2015/2016. year

ORD. NO	SUBJECT TITLE	Semesters and teaching form								ECTS
		I	II	III	IV	V	VI	VII	VIII	
		T P	T P	T P	T P	T P	T P	T P	T P	
1.	Communicology	2 -								3
2.	Chemistry	2 3								6
3.	Physiology	2 1								4
4.	Histology	2 3								7
5.	Biophysics	2 1								4
6.	Physical education with hygiene	2 2								6
	TOTAL I SEMESTER	13 8								30
7.	Anatomy		2 1							4
8.	Epidemiology		2 2							5
9.	Sanitary chemistry		3 3							8
10.	Health care with basics of medical aid		2 3							7
11.	Patology		2 -							3
12.	Patophysiology		2 -							3
	TOTAL II SEMESTER		13 9							30
13.	Health laws and regulations			2 -						3
14.	Immunology			3 3						9
15.	Biochemistry			3 6	3 6					13,5 13,5
	TOTAL II I SEMESTER			11 9						30
16.	Hematology				3 5					12
	TOTAL IV SEMESTER				9 11					30
17.	Transfusiology					2 4				9
18.	Microbiology and virusology					3 4				11
19.	Parasitology and entomology					3 4				10
	TOTAL V SEMESTER					8 12				30
20.	Therapeutic assignment of medicaments and toxicology						3 5			12
21.	Biomedical informatics						2 2			6
22.	Professional practice						2 6			12
	TOTAL VI SEMESTER						7 13			30
23.	Statistics with methodology of scientific research							2 2		6
24.	Sanitary microbiology							3 2		7
25.	Management in health care							2 1		5
26.	Organization of health service							2 1		5
27.	Molecular diagnostics in microbiology							2 3		7
	TOTAL VII SEMESTER							11 9		30
28.	Clinical citology								2 2	5
29.	Clinical microbiology								2 1	5
30.	Final thesis								- 9	15
	TOTAL VII I SEMESTER								6 14	30
	ELECTIVE SUBJECTS I									
1.	English language			3 -						4,5
2.	Water quality control in laboratory medicine			3 -						
	ELECTIVE SUBJECTS II									
1.	Organization of laboratory-medical service				3 -					4,5
2.	Automatization in laboratory medicine				3 -					
	ELECTIVE SUBJECTS III									
1.	Blood-borne diseases								2 2	5
2.	Sport and wellness								2 2	
	TOTAL	21	22	20	20	20	20	20	20	240