

University "Prof. Dr. Assen Zlatarov" - Burgas

I confirm!

Chancellor:

(Prof. Dr M. Mitkova)

Curriculum for acquiring higher education in the specialty "Medicine" Educational and qualification degree "Master"

Field of higher education: 7. Health care and sports
Speciality: 7.1. Medicine
Professional qualification: "physician"- Doctor of Medicine (M.D.)
Term of study: 6 years (10 semesters and 1 year pre-graduation internship)
Form of education: full-time

Approved by the FC of MF
Approved by the AC

Protocol №
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I. STUDY TIME

C o u r s e	Auditorium	Exam sessions	Practices:			State exam	Holidays	Total
			Learning	Internship	Specializing			
	weeks	weeks	weeks	weeks	weeks	weeks	weeks	
I.	30	11					11	52
II.	30	11					11	52
III.	30	11	5				6	52
IV.	30	11	5				6	52
V.	30	11					11	52
VI.				52				52

II. CURRICULUM PARAMETERS

1.	Auditorial, h	(A)	5280	%
	Lectures	(L)	2100	39.8
	Seminars	(S)	255	4.8
	Practicals	(P)	2925	55.4
	Physical training and sport		60	hours

Practices		number	hours
Training	(t)	2	300
Training and production	(tp)	0	0
Practical internship	(pi)	6	1860

2.	Subjects	number	hours	%
	Obligatory (o)	44	5130	91.9
	Elective (e)	4	150	2.6
	Facultative (f)	4	570	9.7

Extracurricular, h (E)		3720	ч.
Auditorial/Extracurricula (A/E)		141.9	%
	number	hours	
Course projects	(cp)	0	0
Course works	(cw)	0	0

3.	Forms of control (FC)	Exams (E)	48	Current assessments (CA)	0	Verification (V)	33
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4.	Form of completion:	State exams (SE)	5
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5.	Schedule of the educational process: Approved annually by the Academic Council
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III. PLAN OF THE EDUCATIONAL PROCESS

First semester													
№	Subject	Type	L		S		P		A	E	A/E	FC	Credits
			h	type	h	type	h	h	h	%			
1.	Cytology, General Histology and Human Embryology	O	45					45	90	90	100.0	E	6
2.	Physics	O	45					45	90	90	100.0	E	6
3.	Chemistry	O	45					45	90	120	75.0	E	7
4.	Human Biology	O1	30					30	60	60	100.0	V	4
5.	Latin Language and Medical Terminology	O1			30				30	30	100.0	V	2
6.	Human Anatomy and Histology	O1	15					30	45	45	100.0	V	3
7.	Physical Education and Sport	O1			30				30	30	100.0	V	2
Total:			180		60			195	435	465	93.5		30
Second semester													
№	Subject	Type	L		S		P		A	E	A/E	FC	Credits
			h	type	h	type	h	h	h	%			
1.	Human Biology	O	30					30	60	90	66.7	E	5
2.	Latin Language and Medical Terminology	O			30				30	60	50.0	E	3
3.	Human Anatomy and Histology	O2	30					60	90	150	60.0	V	8
4.	Biophysics	O	30					30	60	90	66.7	E	5
5.	Social Medicine	O1	15		30				45	75	60.0	V	4
6.	Physical Education and Sport	O			30				30	30	100.0	E	2
7.	Elective subject (List 1)	E	15		15			15	45	45	100.0	E	3
Total:			120		105			135	360	540	66.7		30
Third semester													
№	Subject	Type	L		S		P		A	E	A/E	FC	Credits
			h	type	h	type	h	h	h	%			
1.	Human Anatomy and Histology	O3	30					60	90	90	100.0	V	6
2.	Social Medicine	O	15		30				45	45	100.0	E	3
3.	Medical psychology	O	15		15				30	30	100.0	E	2
4.	Biostatistics	O	15		15				30	30	100.0	E	2
5.	Biochemistry	O1	45					45	90	120	75.0	V	7
6.	Physiology	O1	45					45	90	120	75.0	V	7
7.	Elective subject (List 2)	E	15		15			15	45	45	100.0	E	3
Total:			180		75			165	420	480	87.5		30
Fourth semester													
№	Subject	Type	L		S		P		A	E	A/E	FC	Credits
			h	type	h	type	h	h	h	%			
1.	Human Anatomy and Histology	O	30					60	90	120	75.0	E	7
2.	Medical Ethics	O	15		15				30	30	100.0	E	2
3.	Biochemistry	O	45					45	90	120	75.0	E	7
4.	Physiology	O	60					45	105	135	77.8	E	8
5.	Microbiology	O1	30					30	60	60	100.0	V	4
7.	Elective subject (List 3)	E	15					15	30	30	100.0	E	2
Total:			195		15			195	405	495	81.8		30
Fifth semester													
№	Subject	Type	L		S		P		A	E	A/E	FC	Credits
			h	type	h	type	h	h	h	%			
1.	Disaster medicine	O	15					30	45	15	300.0	E	2
2.	Medical genetics	O	30					30	60	30	200.0	E	3
3.	Microbiology	O	30					45	75	45	166.7	E	4
4.	General Pathology	O1	15					30	45	45	100.0	V	3
5.	Pathophysiology	O1	15					30	45	15	300.0	V	2
6.	Pharmacology	O1	30					45	75	45	166.7	V	4
7.	Propaedeutics of Internal Medicine	O1	30					90	120	60	200.0	V	6
8.	General and Operative Surgery	O1	30					45	75	45	166.7	V	4
9.	Elective subject (List 4)	E	15					15	30	30	100.0	E	2
Total:			210					360	570	330	172.7		30
Sixth semester													
№	Subject	Type	L		S		P		A	E	A/E	FC	Credits
			h	type	h	type	h	h	h	%			
1.	Pathophysiology	O	30					30	60	30	200.0	E	3
2.	Pharmacology	O	45					30	75	45	166.7	E	4
3.	Propaedeutics of Internal Medicine	O	30					90	120	60	200.0	E	6
4.	General and Operative Surgery	O	30					60	90	60	150.0	E	5
5.	Internal diseases	O	30					30	60	30	200.0	E	3
6.	Roentgenology and Radiology	O1	15					30	45	45	100.0	V	3
7.	Otorhinolaryngology	O1	15					30	45	45	100.0	V	3
8.	General Pathology	O	30					30	60	30	200.0	E	3
Total:			225					330	555	345	160.9		30
Seventh semester													
№	Subject	Type	L		S		P		A	E	A/E	FC	Credits
			h	type	h	type	h	h	h	%			
1.	Roentgenology and Radiology	O	30					30	60	30	200.0	E	3
2.	Otorhinolaryngology	O	15					30	45	15	300.0	E	2
3.	Clinical pathology	O1	15					30	45	45	100.0	V	3
4.	Ophthalmology	O	30					45	75	45	166.7	E	4
5.	Hygiene and occupational diseases	O1	30					30	60	30	200.0	V	3
6.	Neurology	O1	30					30	60	30	200.0	V	3
7.	Internal diseases	O1	45					120	165	45	366.7	V	7
8.	Clinical Laboratory and Immunology	O1	30					30	60	30	200.0	V	3
9.	Surgery	O1	15					30	45	15	300.0	V	2
Total:			240					375	615	285	215.8		30

Eighth semester											FC	Credits	
№	Subject	Type	L		S		P		A	E			A/E
			h	type	h	type	h	h	h	h	%		
1.	Hygiene and occupational diseases	O	45					45	90	0	366.7	E	3
2.	Neurology	O	30					30	60	30	200.0	E	3
3.	Internal diseases	O2	45					120	165	45	366.7	V	7
4.	Clinical Laboratory and Immunology	O	15					15	30	30	100.0	E	2
5.	Clinical pharmacology	O	15					15	30	30	100.0	E	2
6.	Dermatology and Venereology	O1	15					30	45	15	300.0	V	2
7.	Surgery	O1	30					60	90	30	300.0	V	4
8.	Clinical pathology	O	30					30	60	30	200.0	E	3
9.	Obstetrics and Gynaecology	O1	30					45	75	45	166.7	V	4
Total:			255					390	645	255	252.9		30

Ninth semester											FC	Credits	
№	Subject	Вид	L		S		P		A	E			A/E
			ч.	вид	ч.	вид	ч.	ч.	ч.	ч.	%		
1.	Internal diseases	O3	30					30	60	30	200.0	V	3
2.	Orthopaedics and Traumatology	3	30					60	90	30	300.0	E	4
3.	Urology	O	15					30	45	15	300.0	E	2
4.	Неврохирургия	O	15					15	30	30	100.0	E	2
5.	Anaesthesiology and Intensive care	O	30					30	60	30	200.0	E	3
6.	Physiotherapy and Rehabilitation	O	15					30	45	15	300.0	E	2
7.	Dermatology and Venereology	O	15					30	45	15	300.0	E	2
8.	Surgery	O2	15					30	45	15	300.0	V	2
9.	Paediatrics	O1	45					60	105	45	233.3	V	5
10.	Obstetrics and Gynaecology	O2	30					30	60	30	200.0	V	3
11.	Epidemiology, Infectious Diseases, Medical Parasitology and Tropical Medicine	O	30					30	60	0		3	2
Total:			270					375	645	255	252.9		30

Tenth Ninth semester											FC	Credits	
№	Subject	Type	L		S		P		A	E			A/E
			h	type	h	type	h	h	h	h	%		
1.	Internal diseases	O	30					90	120	30	400.0	E	5
2.	Surgery	O	30					60	90	30	300.0	E	4
3.	Paediatrics	O	45					60	105	45	233.3	E	5
4.	Obstetrics and Gynaecology	O	30					45	75	45	166.7	E	4
5.	Epidemiology, Infectious Diseases, Medical Parasitology and Tropical Medicine	O	30					60	90	30	300.0	E	4
6.	Psychiatry	O	30					45	75	45	166.7	E	4
7.	Forensic Medicine and Deontology	O	30					45	75	45	166.7	E	4
Total:			225					405	630	270	233.3		30

Sixth year											Credits from Internship	FC	Credits from SE
№	Pre-graduation internship	Days	L		S		P		A	E			
			h	type	h	type	h	h	h	h			
1.	Internal diseases	80				pi	480	480		16	SE	3	
2.	Surgery	70				pi	420	420		12	SE	3	
3.	Obstetrics and Gynaecology	45				pi	270	270		10	SE	3	
4.	Paediatrics	45				pi	270	270		10	SE	3	
5.	Hygiene, Epidemiology, Infectious diseases, Social Medicine	50				pi	300	300		8	SE	3	
6.	Emergency Medicine	20				pi	120	120		4	V		
7.	State examination session	50											
Total:			360				1860	1860		60		15	

Training practices

Training practices											FC	Credits
№	In days	L		S		P		A	E	A/E		
		h	type	h	type	h	h	h	h	%		
1.	After VI semester	30				t	150	150			3	5
2.	After VII semester	30				t	150	150			3	5
Total:		60					300	300				10

List of elective subjects

List 1	
1.	Assessment of the chemical factors in the environmental and working environment
2.	Verbal and non-verbal doctor-patient communication
3.	Stress and mental health

List 2	
1.	Chemical aspects of natural healing remedies and procedures
2.	Maritime medicine
3.	Research Methodology
4.	Reproductive health

List 3	
1.	Medical Statistics
2.	Biochemical therapy with Dr. Schüssler's salts
3.	Digital health and telemedicine
4.	Diagnostic methods and therapeutic management of patients with hearing reduction

List 4	
1.	Clinical anatomy
2.	Immunocytochemistry and immunohistochemistry
3.	Endothelial dysfunction, vascular oxidative stress and cardiometabolic risk

Facultative subjects

List 5	
1.	History of medicine
2.	Value system of the leader
3.	Foreign language (English, German, French or Russian)
4.	General Bulgarian Language

List 6	
1.	Information technologies in healthcare
2.	Psychology of addictions
3.	Aviation Medicine

Note.: Electives from List 1 and 2 are 45 hours long and carry 3 credits each. Disciplines from List 3 and 4 are 30 hours long and carry 2 credits each. **Compulsory choice for the entire study period: 10 credits.**

The **facultative subjects** on List 5 and 6 are studied in the third and fourth semesters and are 30 hours, 1 credit each. The total number of hours of 60 h is outside the maximum number of hours for acquiring the professional degree.

Physical education and sport is studied as a facultative discipline from the third to the tenth semester with a 30-hour schedule, 1 credit each. The total 240-hour schedule is outside the maximum schedule for acquiring the professional degree.

General Bulgarian Language is studied as a facultative discipline from the first to the third semester with a 90-hour schedule (30/60; lectures/seminars), 3 credits each. The total 270-hour schedule is outside the maximum schedule for acquiring the professional degree.

Approved by the FC Protocol №

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52/26.01.2023