



**UNIVERSITY OF KRAGUJEVAC
FACULTY OF MEDICAL SCIENCES**



Schedule of courses by semesters and years of study for integrated studies

FIRST YEAR

No	Course Code	Course title		Sem.	Classes of active teaching				Other	ECTS	Mandatory/ Elective	Course type
					L	P	SRW	OAC				
1.	IASM1	Medical chemistry		1	2	1	0	0	0	3	M	TM
2.	IASM2	Biophysics		1	2	1	0	0	0	3	M	TM
3.	IASM3	Biology		1	2	1	0	0	0	3	M	TM
4.	IASM4	Anatomy 1		1	6	5	0	0	0	12	M	SP
5.	IASM5	Medical English language		1	3	0	0	0	0	4	M	AG
6.	IASMI1	Elective block 1 (3 credits are chosen)		1	1-2	0	0	0-1	2-4	3		
		IASM6	Physical education	1	1	0	0	0	2	3	E	AG
		IASM7	History of medicine	1	2	0	0	1	4	3	E	AG
Total hours by type of teaching in the block					16-17	8	0	0-1	2-4			
Total hours of active teaching and ECTS in the block					24-26					28		
Total teaching hours in the block					26-30							
7.	IASM8	Human genetics		2	2	2	0	0	0	6	M	TM
8.	IASM9	Histology and embryology		2	6	5	0	0	0	12	M	SP
9.	IASM10	Anatomy 2		2	5	3	0	0	0	11	M	SP
10.	IASMI2	Elective block 2 (3 credits are chosen)		2	2	0-1	0	0-1	0	3		
		IASM11	Fundamentals of histological and histopathological techniques	2	2	1	0	0	0	3	E	TM
		IASM12	Introduction to medicine and medical terminology	2	2	0	0	1	0	3	E	TM
Total hours by type of teaching in the block					15	10-11	0	0-1	0			
Total hours of active teaching and ECTS in the block					26					32		
Total teaching hours in the block					26							
Total hours by type of teaching in the year					31-32	18-19	0	0-2	2-4			
Total hours of active teaching and ECTS in the year					50-52					60		
Total teaching hours per year					52-56							

SECOND YEAR

No	Course Code	Course title		Sem.	Classes of active teaching				Other	ECTS	Mandatory/ Elective	Course type
					L	P	SRW	OAC				
11.	IASM13	Physiology		3	4	4	0	0	0	9	M	SP
12.	IASM14	Medical biochemistry		3	6	5	0	0	0	12	M	TM
13.	IASM15	Communication skills		3	2	1	0	0	0	4	M	TM
14.	IASMI3	Elective block 3 (3 credits are chosen)		3	2	0-1	0	0-1	0	3		
		IASM16	Information and Communication Technologies in	3	2	0	0	1	0	3	E	TM
		IASM17	Medical genetics	3	2	1	0	0	0	3	E	SP
Total hours by type of teaching in the block					14	10-11	0	0-1	0			
Total hours of active teaching and ECTS in the block					25					28		
Total teaching hours in the block					25							
15.	IASM13	Physiology		4	4	4	0	0	0	9	M	SP
16.	IASM84	Medical microbiology		4	3	3	0	0	0	6	M	SP
17.	IASM85	Immunology, infection, inflammation		4	3	3	0	0	0	6	M	SP
18.	IASM19	Fundamentals of oncology		4	2	2	0	0	0	5	M	SP
19.	IASM20	First aid		4	1	1	0	0	2	3	M	TM
20.	IASMI4	Elective Block 4 (3 credits are chosen)		4	2	1	0	0	0	3		
		IASM21	Sports medicine	4	2	1	0	0	0	3	E	TM
		IASM22	Biochemistry of metabolic disorders and diseases	4	2	1	0	0	0	3	E	TM
Total hours by type of teaching in the block					15	14	0	0	2			
Total hours of active teaching and ECTS in the block					29					32		
Total teaching hours in the block					31							
Total hours by type of teaching in the year					29	23-24	0	0-1	2			
Total hours of active teaching and ECTS in the year					54					60		

THIRD YEAR

No	Course Code	Course title	Sem.	Classes of active teaching				Other	ECTS	Mandatory/ Elective	Course type
				L	P	SRW	OAC				
21.	IASM23	Pathological anatomy	5	4	3	0	2	0	9	M	SP
22.	IASM24	Pathophysiology	5	3	2	0	2	0	8	M	SP
23.	IASM25	Pharmacology and toxicology	5	2	2	0	0	0	6	M	TM
24.	IASMI5	Elective block 5 (3 credits are chosen)	5	2	1	0	0	0	3		
	IASM26	Introduction to clinical practice	5	2	1	0	0	0	3	E	TM
	IASM27	Immunopathology - clinical cases	5	2	1	0	0	0	3	E	TM
Total hours by type of teaching in the block				11	8	0	4	0			
Total hours of active teaching and ECTS in the block				23					26		
Total teaching hours in the block				23							
25.	IASM23	Pathological anatomy	6	4	3	0	2	0	9	M	SP
26.	IASM28	Clinical propedeutics	6	3	6	0	0	2	8	M	PA
27.	IASM24	Pathophysiology	6	3	2	0	2	0	8	M	SP
28.	IASMI6	Elective block 6 (3 credits are chosen)	6	2	1	0	0	0	3		
	IASM29	Psychological medicine	6	2	1	0	0	0	3	E	TM
	IASM30	Fundamentals of Clinical Immunology	6	2	1	0	0	0	3	E	TM
29.	IASM25	Pharmacology and toxicology	6	2	2	0	0	0	6	M	TM
Total hours by type of teaching in the block				14	14	0	4	2			
Total hours of active teaching and ECTS in the block				32					34		
Total teaching hours in the block				34							
Total hours by type of teaching in the year				25	22	0	8	2			
Total hours of active teaching and ECTS in the year				55					60		
Total teaching hours per year				57							

FOURTH YEAR

No	Course Code	Course title	Sem.	Classes of active teaching				Other	ECTS	Mandatory/ Elective	Course type
				L	P	SRW	OAC				
30.	IASM31	Internal medicine	7	6	6	0	0	4	12	M	PA
31.	IASM32	Radiology	7	2	2	0	0	0	4	M	PA
32.	IASM33	Nuclear medicine	7	1	1	0	1	0	4	M	PA
33.	IASM34	Dermatovenereology	7	2	1	0	0	0	4	M	PA
34.	IASMI7	Elective Block 7 (3 credits are chosen)	7	2	0-1	0	0-1	0	3		
	IASM35	Application of biological therapy in medicine	7	2	1	0	0	0	3	E	TM
	IASM36	Fundamentals of clinical pharmacology	7	2	0	0	1	0	3	E	TM
Total hours by type of teaching in the block				13	10-11	0	1-2	4			
Total hours of active teaching and ECTS in the block				25					27		
Total teaching hours in the block				29							
35.	IASM31	Internal medicine	8	6	6	0	0	4	12	M	PA
36.	IASM37	Neurology	8	3	3	0	0	1	6	M	PA
37.	IASM38	Psychiatry	8	3	3	0	0	1	6	M	PA
38.	IASM39	Infectious diseases	8	3	3	0	0	3	6	M	PA
39.	IASMI8	Elective block 8 (3 credits are chosen)	8	2	0-1	0	0-1	0	3		
	IASM40	Tropical diseases	8	2	0	0	1	0	3		PA
	IASM41	Therapeutic application of ionizing radiation	8	2	1	0	0	0	3	E	TM
	IASM42	Clinical aspects of acid-base balance disorders	8	2	1	0	0	0	3	E	PA
Total hours by type of teaching in the block				17	15-16	0	0-1	9			
Total hours of active teaching and ECTS in the block				33					33		
Total teaching hours in the block				42							
Total hours by type of teaching in the year				30	25-27	0	1-3	13			
Total hours of active teaching and ECTS in the year				58					60		
Total teaching hours per year				71							

FIFTH YEAR

No	Course Code	Course title	Sem.	Classes of active teaching				Other	ECTS	Mandatory/ Elective	Course type
				L	P	SRW	OAC				
40.	IASM43	Pediatrics	9	3	3	0	1	1	7	M	PA
41.	IASM44	Surgery	9	6	6	0	0	4	12	M	PA
42.	IASM45	Legal aspects in healthcare	9	2	0	0	1	0	3	M	TM
43.	IASM46	Clinical oncology	9	2	1	0	0	0	3	M	PA
44.	IASMI9	Elective block 9 (3 credits are chosen)	9	2	1	0	0	0	3		
	IASM47	Surgical pathology	9	2	1	0	0	0	3	E	TK
	IASM48	Modern diagnostics in medicine	9	2	1	0	0	0	3	E	TM
	IASM49	Fundamentals of laboratory work and research	9	2	1	0	0	0	3	E	TM
	IASM50	Telemedicine	9	2	1	0	0	0	3	E	TM
	IASM51	Fundamentals of clinical genetics	9	2	1	0	0	0	3	E	TM
Total hours by type of teaching in the block				15	11	0	2	5			
Total hours of active teaching and ECTS in the block				28					28		
Total teaching hours in the block				33							
45.	IASM43	Pediatrics	10	3	3	0	1	1	7	M	PA
46.	IASM52	Otorhinolaryngology	10	3	2	0	0	0	5	M	PA
47.	IASM44	Surgery	10	6	6	0	0	4	12	M	PA
48.	IASM53	Ophthalmology	10	3	2	0	0	0	5	M	PA
49.	IASMI10	Elective block 10 (3 credits are chosen)	10	2	1	0	0	0	3		
	IASM54	Palliative medicine	10	2	1	0	0	0	3	E	PA
	IASM55	Basics of clinical biochemistry	10	2	1	0	0	0	3	E	SP
	IASM56	Resuscitation 1	10	2	1	0	0	0	3	E	PA
Total hours by type of teaching in the block				17	14	0	1	5			
Total hours of active teaching and ECTS in the block				32					32		
Total teaching hours in the block				37							
Total hours by type of teaching in the year				32	25	0	3	10			
Total hours of active teaching and ECTS in the year				60					60		
Total teaching hours per year				70							

SIXTH YEAR

No	Course Code	Course title	Sem.	Classes of active teaching				Other	ECTS	Mandatory/ Elective	Course type
				L	P	SRW	OAC				
50.	IASM57	Gynecology and obstetrics	11	3	3	0	0	1	0	M	PA
51.	IASM58	Physical medicine and rehabilitation	11	2	2	0	0	1	4	M	PA
52.	IASM59	Social medicine	11	2	1	0	0	0	3	M	TM
53.	IASM60	Epidemiology	11	2	1	0	0	0	3	M	SP
54.	IASM61	Hygiene and ecology	11	4	2	0	0	0	6	M	SP
55.	IASM62	Medical statistics and informatics	11	1	1	0	0	0	3	M	TM
56.	IASM63	Medical ethics	11	2	0	0	1	0	2	M	TM
57.	IASMII	Elective block 11 (3 credits are chosen)	11	2	0-1	0	0-1	0	3		
	IASM64	Evidence-based medicine	11	2	1	0	0	0	3	E	TM
	IASM65	Primary health care	11	2	1	0	0	0	3	E	TM
	IASM66	Resuscitation 2	11	2	1	0	0	0	3	E	PA
	IASM67	Occupational medicine	11	2	0	0	1	0	3	E	PA
	IASM68	Preventive pediatrics	11	2	1	0	0	0	3	E	PA
	IASM69	Immunization and vaccination	11	2	1	0	0	0	3	E	TM
	IASM70	Health education	11	2	1	0	0	0	3	E	TM
Total hours by type of teaching in the block				18	10-11	0	1-2	2			
Total hours of active teaching and ECTS in the block				30					24		
Total teaching hours in the block				32							
58.	IASM57	Gynecology and obstetrics	12	3	3	0	0	1	10	M	PA
59.	IASM71	Interprofessional education	12	0	2	0	0	0	2	M	AO
60.	IASM72	Emergency medical conditions	12	3	5	0	0	4	5	M	PA
61.	IASM73	Geriatrics	12	1	1	0	0	2	2	M	PA
62.	IASM74	Forensic medicine	12	3	2	0	0	0	5	M	PA
63.	IASMII2	Elective block 12 (3 credits are chosen)	12	2	1	0	0	0	3		
	IASM75	Biological traces and forensic genetics	12	2	1	0	0	0	3	E	PA
	IASM76	Dietary products and nutrition supplementation	12	2	1	0	0	0	3	E	PA
	IASM77	Internal medicine in pregnancy and postpartum period	12	2	1	0	0	0	3	E	PA
	IASM78	Pain medicine	12	2	1	0	0	0	3	E	PA
	IASM79	Modern principles of neuroophthalmology	12	2	1	0	0	0	3	E	PA
	IASM80	Intensive care and therapy in pediatrics	12	2	1	0	0	0	3	E	PA
64.	IASM81	Clinical practice	12	0	0	0	0	22	4	M	PA
65.	IASM82	Final work - research	12	0	0	20	0	0	2	M	TM
66.	IASM83	Final work - drafting and defense	12	0	0	0	0	6	3	M	TM
Total hours by type of teaching in the block				12	14	20	0	35			
Total hours of active teaching and ECTS in the block				46					36		
Total teaching hours in the block				81							
Total hours by type of teaching in the year				30	24-25	20	1-2	37			
Total hours of active teaching and ECTS in the year				76					60		
Total teaching hours per year				113							

Sem – Semester; L – Lectures; P – Practice; SRW – Study research work; OAC – Other active classes; AG – academic-general education; TM – theoretical-methodological; SP – scientific-professional; PA – professional-applied; M – Mandatory; E – Elective

Total hours of theoretical and practical teaching in the study program: 6270-6330