

kierunek - farmacja ED
 poziom studiów - jednolite studia magisterskie
 forma - studia stacjonarne
 cykl kształcenia 2021-2027
 rok akademicki 2021/2022

Załącznik nr 7 do Uchwały nr 21/2021
 Senatu GUMed z dnia 26.04.2021 r.

Module / Subject	ECTS	Total number of hours	semester 1						semester 2*						Manner of obtaining credit
			Number of hours						Number of hours						
			lectures	seminars	exercise	laboratories	practical training	self-study	lectures	seminars	exercise	laboratories	practical training	self-study	
Anatomy	3	32	17		15										Credit with mark
Basic Polish I	4	60			30					30					Credit
Biology and genetics	6	60	15		11	34									Exam
Biophysics	2	25								7	18				Credit with mark
Botany	8	85						19	6	15	45				Exam
General and inorganic chemistry	9	95	25		14	56									Exam
History of pharmacy	1	15	15												Credit with mark
History of philosophy	1	15							15						Credit
Hygiene and epidemiology	2	30						10	20						Credit with mark
Information literacy		2	2												Credit
Latin language classes	4	60			30					30					Credit with mark
Mathematics	2	30			30										Credit with mark
Physical chemistry	10	95						30	5	12	48				Exam
Physical education		60			30					30					Credit
Propaedeutics of pharmaceutical practice	2	30	30												Credit
Information technology	1	15				15									Credit with mark
Safety and Good Work Practice		4	4												Credit
Statistics	2	30								30					Credit with mark
Elective subjects	3	45													Credit

* the number of hours assigned to the summer semester may include classes available throughout the year or in the block system

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Module / Subject	ECTS	Total number of hours	semester 3						semester 4*						Manner of obtaining credit
			Number of hours						Number of hours						
			lectures	seminars	exercise	laboratories	practical training	self-study	lectures	seminars	exercise	laboratories	practical training	self-study	
Analytical chemistry	10	115	25	10	6	24				10	40			Exam	
Basic Polish II	4	60			30					30				Credit with mark	
Biochemistry	9	100						40		12	48			Exam	
Immunology	3	35						20		3	12			Credit with mark	
Information technology	1	15									15			Credit with mark	
Intellectual property protection	1	15						15						Credit	
Microbiology	7	80	20		12	48								Exam	
Molecular biology	3	40	10	15	3	12								Credit with mark	
Organic chemistry	12	140	40							20	80			Exam	
Physiology	6	75	30		9	36								Exam	
Elective subjects	4	45												Credit	

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Module / Subject	ECTS	Total number of hours	semester 5						semester 6*						Manner of obtaining credit
			Number of hours						Number of hours						
			lectures	seminars	exercise	laboratories	practical training	self-study	lectures	seminars	exercise	laboratories	practical training	self-study	
Basic of drug design	1	15							15						Credit
Basics of radiopharmacy	1	15	15												Credit
Introduction to emergency medicine	2	30							15	3	12				Credit with mark
Medical ethics	2	30	10	20											Credit
Pathophysiology	5	75	30	45											Exam
Pharmaceutical biotechnology	3	35						15	5	3	12				Exam
Pharmaceutical chemistry	16	255	50		20	85		40		15	45				Exam
Pharmaceutical technology I *	9	150	25					15			110				Credit
Pharmacognosy	10	150	30		9	36		30		9	36				Exam
Pharmacy pre-training		5								5					Credit
Elective subjects	5	60													Credit
One-month summer training at open pharmacy	6	160													Credit

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Module / Subject	ECTS	Total number of hours	semester 7						semester 8*						Manner of obtaining credit
			Number of hours						Number of hours						
			lectures	seminars	exercise	laboratories	practical training	self-study	lectures	seminars	exercise	laboratories	practical training	self-study	
Bromatology	5	85	30	10	9	36									Exam
Clinical biochemistry	2	30						10	20						Credit with mark
Economics and management in pharmacy	1	30	15	15											Credit with mark
Hygiene and Epidemiology	2	30	10	20											Credit with mark
Introduction to medicine	2	30	20	5		5									Exam
Medical ethics	2	25						10	15						Credit
Oncology	1	20	20												Credit
Pharmaceutical biotechnology	2	35						15	5	3	12				Credit with mark
Pharmaceutical technology II	7	110	30			80									Credit
Pharmacokinetics	2	30						15		3	12				Credit with mark
Pharmacology and pharmacodynamics	13	145	30	45				25	45						Exam
Synthesis and chemical technology of drugs	5	75	16	5	4	32			6	6	6				Exam
Toxicology	6	90	15					15		12	48				Exam
Elective subjects	5	75													Credit
One-month summer training at hospital pharmacy	5	160													Credit

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