

kierunek - farmacja ED
 poziom studiów - jednolite studia magisterskie
 forma - studia stacjonarne
 cykl kształcenia 2023-2029
 rok akademicki 2023/2024

Załącznik nr 3 do Uchwały nr 11/2023 Senatu GUMed z dnia 27 marca 2023 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

kierunek - farmacja ED
 poziom studiów - jednolite studia magisterskie
 forma - studia stacjonarne
 cykl kształcenia 2023-2029
 rok akademicki 2024/2025

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	
Psychology and sociology	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	50							15	75			Exam	
Physiology	6	75	30		9	36								Exam	
Elective subjects	4	45												Credit	

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

kierunek - farmacja ED

poziom studiów - jednolite studia magisterskie

forma - studia stacjonarne

cykl kształcenia 2023-2029

rok akademicki 2025/2026

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	
Basics of drug design	1	15							15						Credit
Basics of radiopharmacy	1	15	15												Credit
Qualifield first aid	2	30							15	3	12				Credit with mark
Medical ethics	2	30						15	15						Credit
Pathophysiology	5	75	30	45											Exam
Pharmaceutical biotechnology	3	40						20		5	15				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

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

kierunek - farmacja ED
 poziom studiów - jednolite studia magisterskie
 forma - studia stacjonarne
 cykl kształcenia 2023-2029
 rok akademicki 2026/2027

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	6	90	30	10	10	40									Exam
Clinical pharmacy	3	45							15	20	2	8			Credit
Introduction to medicine	2	30	20	5			5								Exam
Basics of entrepreneurship	1	20						20							Credit with mark
Nature drugs	2	40	32	8											Credit with mark
Oncology	2	20						20							Credit
Pharmaceutical technology II	7	110	30			80									Credit
Pharmacokinetics	3	40						15	5	6	14				Credit with mark
Pharmacology and pharmacodynamics	13	210	40	65				35	70						Exam
Synthesis and chemical technology of drugs	5	75	16	5	4	32			6	6	6				Exam
Toxicology	6	95						30		13	52				Exam
Elective subjects	4	60													Credit
One-month summer training at hospital pharmacy	6	160													Credit

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

kierunek - farmacja ED
 poziom studiów - jednolite studia magisterskie
 forma - studia stacjonarne
 cykl kształcenia 2023-2029
 rok akademicki 2027/2028

Module / Subject	ECTS	Total number of hours	semester 9						semester 10*						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	
Biopharmaceutics	4	55	30		5	20									Exam
Clinical pharmacy	7	70	30	20	4		16								Exam
Pharmacoeconomics	2	30	15	15											Credit with mark
Pharmaceutical care	4	55	10		9		36								Credit with mark
Pharmaceutical law	2	35	15	20											Credit with mark
Pharmaceutical technology III	8	70	20			50									Exam
Pharmacotherapy and drug information	4	55	35	20											Credit with mark
Pharmacy practice	7	90	18	25	10		37								Credit with mark
Scientific research methodology	20	377									377				Credit
Elective subjects	2	30													Credit

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

kierunek - farmacja ED
 poziom studiów - jednolite studia magisterskie
 forma - studia stacjonarne
 cykl kształcenia 2023-2029
 rok akademicki 2028/2029

Module / Subject	ECTS	Total number of hours	semester 11						semester 12*						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		
Six-month training at pharmacy	60	960														Credit

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