

CURRICULUM OVERVIEW - 6-YEAR PHARMD PROGRAM

FIRST YEAR

No.	Course	Course coordinator	Name of Chair/Department	Annual load				ECTS	Pass/fail /Examination
				Hours (total)	lectures	practicals	seminars		
1.	BIOLOGY & BOTANY I+II	Prof. Jaromir Budzianowski, MSc, PhD	Chair and Department of Pharmaceutical Botany and Plant Biotechnology	150	42	84	24	18	Examination
2.	BIOPHYSICS	Marek Tulisza, MSc, PhD	Chair and Department of Biophysics	30	0	30	0	5	Pass/fail
3.	MATHEMATICS & STATISTICS	Prof. Jerzy Moczko, MSc, PhD	Chair and Department of Computer Science and Statistics	60	0	60	0	4	Pass/fail
4.	FIRST AID	Assoc. Prof. Małgorzata Grześkowiak, MD, PhD	Department of Anesthesiology & Intensive Care	15	0	9	6	1	Pass/fail
5.	GENERAL CHEMISTRY I+II	Prof. Zenon J. Kokot, MSc, PhD	Chair and Department of Inorganic and Analytical Chemistry	150	40	81	29	18	Examination
6.	MEDICAL ANATOMY	Prof. Małgorzata Bruska, MD, PhD	Chair and Department of Anatomy	30	15	15	0	4	Pass/fail
7.	HISTORY OF PHARMACY	Assoc. Prof. Anita Magowska, MD, PhD	Chair and Department of History of Medical Sciences	15	0	0	15	1	Pass/fail
8.	POLISH LANGUAGE I+II	Tadeusz Jurek, MA	Department of Foreign Languages	60	0	0	60	4	Pass/fail
9.	PHYSICAL TRAINING I+II	Janusz Przybylski, MSc, PhD	Department of Physical Training	60	0	0	60	2	Pass/fail
10.	LIBRARY FACILITIES USE INSTRUCTION	Iwona Stebner, MA	Main Library of Poznan University of Medical Sciences	10	0	0	10	0	Pass/fail
11.	OCCUPATIONAL HEALTH AND SAFETY TRAINING	Arkadiusz Radek, MA	Health and Safety Inspectorate Unit	5	5	0	0	0	Pass/fail
12.	ELECTIVE COURSES			45	0	0	45	3	Pass/fail
	TOTAL			630	102	279	249	60	2 Examinations

SECOND YEAR

No.	Course	Course coordinator	Name of Chair/Department	Annual load				ECTS	Pass/fail /Examination
				Hours (total)	lectures	Practicals	seminars		
1.	CHEMICAL, INSTRUMENTAL & PHARMACEUTICAL ANALYSIS I+II	Prof. Zenon J. Kokot, MSc, PhD	Chair and Department of Inorganic and Analytical Chemistry	180	45	105	30	15	Examination
2.	PHYSICAL CHEMISTRY I+II	Prof. Franciszek Głowka, MSc, PhD	Chair and Department of Physical Pharmacy and Pharmacokinetics	105	30	60	15	12	Examination
3.	ORGANIC CHEMISTRY I+II	Assoc. Prof. Marek K. Bernard, MSc, PhD	Chair and Department of Organic Chemistry	210	90	90	30	18	Examination

4.	MICROBIOLOGY	Jolanta Długaszewska, MSc, PhD	Chair and Department of Genetics and Pharmaceutical Microbiology	90	15	75	0	6	Examination
5.	COMPUTER APPLICATION TO PHARMACY	Prof. Jerzy Moczko, MSc, PhD	Chair and Department of Computer Science and Statistics	30	0	30	0	2	Pass/fail
6.	POLISH LANGUAGE III+IV	Tadeusz Jurek, MA	Department of Foreign Languages	60	0	0	60	4	Pass/fail
7.	ELECTIVE COURSES			45	0	0	45	3	Pass/fail
	TOTAL			720	180	360	180	60	4 Examinations

THIRD YEAR

No.	Course	Course coordinator	Name of Chair/Department	Annual load				ECTS	Pass/fail /Examination	
				Hours (total)	lectures	practicals	seminars			
1.	PHARMACOLOGY I+II	Assoc. Prof Przemysław Mikołajczak, MSc, PhD	Chair and Department of Pharmacology	100	50	0	50	7	Pass/fail	
2.	PHARMACOGNOSY & NATURAL DRUGS	Małgorzata Wojcińska, MSc, PhD	Chair and Department of Pharmacognosy	50	14	22	14	4	Examination	
3.	INTRODUCTION TO APPLIED PHARMACY	Anna Froelich, MSc, PhD/ Agnieszka Snela, MSc, PhD	Chair and Department of Pharmaceutical Technology	60	0	40	20	4	Pass/fail	
4.	PHYSIOLOGICAL AND PATHOPHYSIOLOGICAL BASIS FOR THERAPEUTICS I+II	Prof. Andrzej Bręborowicz, MD, PhD	Chair and Department of Pathophysiology	150	86	0	64	10	Examination	
5.	PHARMACEUTICAL TECHNOLOGY I	Anna Froelich, MSc, PhD	Chair and Department of Pharmaceutical Technology	85	15	50	20	5	Pass/fail	Examination
6.	PHARMACEUTICAL TECHNOLOGY II	Anna Froelich, MSc, PhD	Chair and Department of Pharmaceutical Technology	85	15	50	20	5	Pass/fail	
7.	PATIENT CARE I+II	Danuta Szkutnik-Fiedler, MSc, PhD	Chair and Department of Clinical Pharmacy and Biopharmacy	50	12	38	0	4	Pass/fail	
8.	BIOCHEMISTRY	Prof. Wanda Baer-Dubowska, MSc, PhD	Chair of Pharmaceutical Biochemistry	105	30	45	30	8	Examination	
9.	MOLECULAR BIOLOGY	Prof. Wanda Baer-Dubowska, MSc, PhD	Chair of Pharmaceutical Biochemistry	30	0	10	20	1,5	Pass/fail	
10.	BIOTECHNOLOGY	Prof. Jaromir Budzianowski, MSc, PhD	Chair and Department of Pharmaceutical Botany and Plant Biotechnology	30	30	0	0	1,5	Pass/fail	
11.	HYGIENE & EPIDEMIOLOGY	Andrzej Kaniewski, MSc, PhD	Department of Hygiene	20	0	0	20	1	Pass/fail	
12.	POLISH LANGUAGE	Tadeusz Jurek, MA	Department of Foreign Languages	30	0	0	30	0	Pass/fail	
13.	VACATION PLACEMENT	Katarzyna Kosicka, MSc, PhD	Chair and Department of Physical Pharmacy and Pharmacokinetics	160	0	160	0	5	Pass/fail	
14.	ELECTIVES COURSES			60	0	0	60	4	Pass/fail	
	TOTAL			1015	237	430	348	60	4 Examinations	

FOURTH YEAR

No.	Course	Course coordinator	Name of Chair/Department	Annual load				ECTS	Pass/fail /Examination	
				Hours (total)	lectures	practicals	seminars			
1.	MEDICINAL CHEMISTRY I+II	Prof. Anna Jelińska, MSc, PhD	Chair and Department of Pharmaceutical Chemistry	220	48	142	30	14	Examination	
2.	PHARMACOLOGY III+IV	Assoc. Prof. Przemysław Mikołajczak, MSc, PhD	Chair and Department of Pharmacology	100	50	0	50	7	Examination	
3.	PHARMACOKINETICS	Prof. Franciszek Główka, MSc, PhD	Chair and Department of Physical Pharmacy and Pharmacokinetics	35	14	21	0	4	Examination	
4.	EVIDENCE BASE FOR PHARMACY PRACTICE	Assoc. Prof. Agnieszka Bienert, MSc, PhD	Chair and Department of Clinical Pharmacy and Biopharmacy	60	0	0	60	4	Pass/fail	
5.	CLINICAL NUTRITION AND HEALTH PROMOTION	Ilona Górna, MD, PhD	Chair and Department of Food Science	70	30	33	7	4	Examination	
6.	COMMUNICATION, BEHAVIOR AND ETHICS IN PHARMACY PRACTICE	Assoc. Prof. Anita Magowska, MD, PhD	Department of History of Medical Sciences	30	10	0	20	2	Pass/fail	
7.	PATIENT CARE III+IV	Assoc. Prof. Edyta Szatek, MSc, PhD	Chair and Department of Clinical Pharmacy and Biopharmacy	50	12	38	0	4	Pass/fail	
8.	TOXICOLOGY	Assoc. Prof. Marek Murias, MSc, PhD	Chair and Department of Toxicology	80	17	56	7	4	Examination	
9.	PUBLIC HEALTH	Ewelina Wierzejska, MSc, PhD	Chair of Health Prevention	20	3	14	3	1	Pass/fail	
10.	ADVANCED PHARMACOTHERAPY I	ADVANCED PHARMACOTHERAPY I: CARDIOLOGY	Artur Radziemski, MD, PhD	Chair and Department of Hypertensiology, Angiology and Internal Diseases	25	0	17	8	2	Pass/fail
		ADVANCED PHARMACOTHERAPY I: GASTROENTEROLOGY	Dorota Mańkowska-Wierzbicka, MD, PhD	Chair and Department of Endocrinology	20	0	15	5	1	Pass/fail
		ADVANCED PHARMACOTHERAPY I: METABOLIC DISEASES + NUTRITION (DRUG SUPPLEMENTS)	Alina Kanikowska, MD, PhD	Chair and Department of Internal Medicine, Metabolic Diseases and Dietetics	20	0	15	5	1	Pass/fail
		ADVANCED PHARMACOTHERAPY I: ENDOCRINOLOGY	Joanna Waligórska-Stachura, MD, PhD	Chair and Department of Endocrinology	20	0	15	5	1	Pass/fail
11.	IMMUNOLOGY & ONCOLOGY	Assoc. Prof. Dariusz Iżycki, MD, PhD	Department of Cancer Immunology	30	0	20	10	2	Pass/fail	
12.	POLISH LANGUAGE	Tadeusz Jurek, MA	Department of Foreign Languages	30	0	0	30	0	Pass/fail	
13.	VACATION PLACEMENT	Katarzyna Kosicka, MSc, PhD	Chair and Department of Physical Pharmacy and Pharmacokinetics	160	0	160	0	5	Pass/fail	
14.	ELECTIVE COURSES			60	0	0	60	4	Pass/fail	
	TOTAL			1030	184	546	300	60	5 Examinations	

FIFTH YEAR

No.	Course	Course coordinator	Name of Chair/Department	Annual load				ECTS	Pass/fail /Examination	
				Hours (total)	lectures	practicals	seminars			
1.	PATIENT CARE V+VI	Assoc. Prof. Agnieszka Bienert, MSc, PhD	Chair and Department of Clinical Pharmacy and Biopharmacy	50	12	38	0	5	Examination	
2.	APPLIED BIOPHARMACEUTICS	Assoc. Prof. Agnieszka Bienert, MSc, PhD	Chair and Department of Clinical Pharmacy and Biopharmacy	40	12	0	28	5	Examination	
3.	PHARMACOECONOMICS AND PHARMACY MANAGEMENT	Prof. Elżbieta Nowakowska, MSc, PhD	Chair and Department of Social Pharmacoeconomics and Pharmacy	45	15	0	30	3	Pass/fail	
4.	ADVANCED PHARMACOTHERAPY II & III & IV	ADVANCED PHARMACOTHERAPY II: PULMONARY MEDICINE	Marcin Grabicki, MD, PhD	Chair and Department of Respiratory Diseases	20	0	15	5	2	Pass/fail
		ADVANCED PHARMACOTHERAPY II: PEDIATRICS - DIABETOLOGY	Bogda Skowrońska, MD, PhD	Department of Adolescent Diabetology and Obesity	15	0	10	5	1	Pass/fail
		ADVANCED PHARMACOTHERAPY II: PEDIATRICS - GASTROENTEROLOGY	Beata Klineciewicz, MD, PhD	Department of Pediatric Gastroenterology and Metabolic Diseases	15	0	10	5	1	Pass/fail
		ADVANCED PHARMACOTHERAPY II: DERMATOLOGY	Assoc. Prof. Dorota Jenerowicz, MD, PhD	Chair and Department of Dermatology	10	0	7	3	1	Pass/fail
		ADVANCED PHARMACOTHERAPY II: FITOTHERAPY	Joanna Nawrot, MSc, PhD	Chair and Department of Medicinal and Cosmetic Natural Products	10	0	7	3	1	Pass/fail
		ADVANCED PHARMACOTHERAPY III: GYNECOLOGY AND OBSTETRICS	Prof. Grzegorz H. Bręborowicz, MD, PhD Mateusz Madejczyk, MD, PhD	Chair and Department of Perinatology and Gynecology	20	0	15	5	2	Pass/fail
		ADVANCED PHARMACOTHERAPY III: HEMATOLOGY	Krzysztof Sawiński, MD, PhD	Chair and Department of Hematology and Bone Marrow Transplantation	10	0	7	3	2	Pass/fail
		ADVANCED PHARMACOTHERAPY III: NEPHROLOGY	Assoc. Prof. Krzysztof Pawlaczyk, MD, PhD	Chair and Department of Nephrology	10	0	7	3	1	Pass/fail
		ADVANCED PHARMACOTHERAPY III: CRITICAL CARE MEDICINE	Assoc. Prof. Hanna Billert, MD, PhD	Department of Experimental Anesthesiology	15	0	10	5	2	Pass/fail
		ADVANCED PHARMACOTHERAPY III: NEUROLOGY	Assoc. Prof. Jolanta Dorszewska, MSc, PhD	Neurobiology Unit	15	0	10	5	1	Pass/fail

EXAMINATION

	ADVANCED PHARMACOTHERAPY IV: FAMILY CARE	Ewelina Gowin, MD, PhD	Chair and Department of Family Medicine	15	0	10	5	1	Pass/fail
	ADVANCED PHARMACOTHERAPY IV: PSYCHIATRY	Aleksandra Suwalska, MD, PhD	Department of Adult Psychiatry	15	0	10	5	1	Pass/fail
	ADVANCED PHARMACOTHERAPY IV: PEDIATRICS - ALLERGOLOGY	Irena Wojsyk-Banaszak, MD, PhD	Department of Pediatric Pulmonology and Allergology and Clinical Immunology	10	0	7	3	1	Pass/fail
	ADVANCED PHARMACOTHERAPY IV: BASIC RULES OF PHARMACOLOGIC THERAPY IN INTERNAL DISEASES	Bogna Grygiel-Górniak, MD, PhD	Chair and Department of Rheumatology and Internal Diseases	12	0	6	6	1	Pass/fail
5.	CLINICAL PHARMACOKINETICS	Prof. Franciszek Głównka, MSc, PhD	Chair and Department of Physical Pharmacy and Pharmacokinetics	30	0	20	10	3	Examination
6.	PHARMACEUTICAL LAW	Krzysztof Kujawski, MA	Chair and Department of Physical Pharmacy and Pharmacokinetics	25	0	0	25	2	Pass/fail
7.	METHODOLOGY FOR SCIENTIFIC RESEARCH			175	0	175	0	10	Pass/fail
8.	RESEARCH PROJECT			200	0	200	0	10	Examination
9.	ELECTIVE COURSES			60	0	0	60	4	Pass/fail
	TOTAL			817	39	564	214	60	5 Examinations

SIXTH YEAR

No.	Course	Course coordinator	Chair/Department	Annual load	ECTS	Pass/fail /Examination
1.	OBLIGATORY PHARMACY (COMMUNITY AND HOSPITAL) PRACTICES	Bartosz Urbaniak, MSc, PhD	Chair and Department of Inorganic and Analytical Chemistry	960 hours = 6 months	30	Pass/fail
2.	ADVANCED PHARMACY PRACTICES, including:	Katarzyna Kosicka, MSc, PhD, Paulina Skupin-Mrugalska, MSc	Chair and Department of Physical Pharmacy and Pharmacokinetics	640 hours =4 months	26	Pass/fail
3.	Course 1: INTERNAL MEDICINE WITH ELEMENTS OF FAMILY CARE			160 h = 4 weeks	7	Pass/fail
4.	Course 2: PEDIATRICS WITH ELEMENTS OF ONCOLOGY			160 h = 4 weeks	7	Pass/fail
5.	Course 3: GERIATRIC MEDICINE			120 h = 3 weeks	6	Pass/fail Pass/fail
6.	Course 4: INFECTIOUS DISEASES			40 h = 1 week	2	Pass/fail

7.	Course 5: GYNECOLOGY&OBSTETRICS			40 h = 1 week	2	Pass/fail
8.	Course 4: NEONATAL INTENSIVE CARE			40 h = 1 week	2	Pass/fail
9.	PHARMACY REVIEW	Prof. Franciszek Główka, MSc, PhD Marta Karaźniewicz-Łada, MSc, PhD	Chair and Department of Physical Pharmacy and Pharmacokinetics	80 h = 2 weeks	4	Pass/fail
10.	FINAL PROFESSIONAL PHARMACY EXAMINATION					
	TOTAL				60	1 Examination

Note:

The curriculum published in this document is believed to be correct at the time of publication.
The University reserves the right to introduce changes when necessary.