

Poznan University of Medical Sciences: CONSUMER INFORMATION/ CURRICULUM OVERVIEW - PHARM.D PROGRAM

FIRST YEAR				Annual load					
No.	Course	Course Coordinator	Chair / Department	Total	Lectures	Seminars	Practicals	ECTS	Exam or pass/fail
1	Biology & Botany I & II	Prof. Jaromir Budzianowski MSc, PhD	Chair and Department of Pharmaceutical Botany and Plant Biotechnology	150	42	24	84	18	exam
2	Biophysics	Marek Tuliszka MD, PhD	Chair and Department of Biophysics	30	0	0	30	5	pass
3	Mathematics & Statistics	Prof. Jerzy Moczko MD, PhD	Chair and Department of Computer Science and Statistics	60	0	0	60	4	pass
4	First Aid	Assoc. Prof. Małgorzata Grześkowiak MD, PhD	Department of Teaching Anesthesiology and Intensive Therapy	15	0	6	9	1	pass
5	General Chemistry I & II	Prof. Zenon J. Kokot MSc, PhD	Chair and Department of Inorganic and Analytical Chemistry	150	40	29	81	18	exam
6	Medical Anatomy	Prof. Małgorzata Bruska MD, PhD	Chair and Department of Human Anatomy	30	15	0	15	4	pass
7	History of Pharmacy	Prof. Anita Magowska MSc, PhD	Chair and Department of History of Medical Sciences	15	0	15	0	1	pass
8	Polish Language I & II	Maria Nowosadko ThD	Department of Foreign Language Tuition	60	0	60	0	4	pass
9	Physical Training I & II	Janusz Przybylski MSc, PhD	Department of Physical Training	60	0	60	0	2	pass
10	Library Facilities Use Instruction	Iwona Stebner MA	PUMS Main Library	10	0	10	0	0	pass
11	Occupational Health And Safety Training	Arkadiusz Radek MA	Health & Safety Unit	5	5	0	0	0	pass
12	Elective Courses			45	0	0	0	3	pass
TOTAL:				630	102	204	279	60	

SECOND YEAR				Annual load					
No.	Course	Course Coordinator	Chair / Department	Total	Lectures	Seminars	Practicals	ECTS	Exam or pass/fail
1	Chemical, Instrumental & Pharmaceutical Analysis I & II	Prof. Zenon J. Kokot MSc, PhD	Chair and Department of Inorganic and Analytical Chemistry	180	45	30	105	15	exam
2	Physical Chemistry I & II	Prof. Franciszek Główka MSc, PhD	Chair and Department of Physical Pharmacy and Pharmacokinetics	105	30	15	60	12	exam
3	Organic Chemistry I & II	Assoc. Prof. Marek K. Bernard MSc, PhD	Chair and Department of Organic Chemistry	210	90	30	90	18	exam
4	Microbiology	Jolanta Długaszewska MSc, PhD	Chair and Department of Genetics and Pharmaceutical Microbiology	90	15	0	75	6	exam
5	Computer Application to Pharmacy	Prof. Jerzy Moczko MD, PhD	Chair and Department of Computer Science and Statistics	30	0	0	30	2	pass
6	Polish Language III & IV	Maria Nowosadko ThD	Department of Foreign Language Tuition	60	0	60	0	4	pass
7	Elective Courses			45	0	0	0	3	pass
TOTAL:				720	180	135	360	60	

THIRD YEAR				Annual load					
No.	Course	Course Coordinator	Chair / Department	Total	Lectures	Seminars	Practicals	ECTS	Exam or pass/fail
1	Pharmacology I & II	Prof. Przemysław Mikołajczak MSc, PhD	Chair and Department of Pharmacology	100	50	50	0	7	pass
2	Pharmacognosy & Natural Drugs	Assoc. Prof. Przemysław Zalewski MSc, PhD	Chair and Department of Pharmacognosy	50	14	14	22	4	exam
3	Introduction to Applied Pharmacy	Magdalena Waszyk-Nowaczyk, MSc, PhD	Unit of Applied Pharmacy	60	0	20	40	4	pass
4	Physiological & Patophysiological Basis for Therapeutics I & II	Prof. Andrzej Bręborowicz MD, PhD	Chair and Department of Pathophysiology	150	86	64	0	10	exam
5	Pharmaceutical Technology I & II	Barbara Jadach MSc, PhD	Chair and Department of Pharmaceutical Technology	170	30	40	100	10	exam
6	Patient Care I & II	Danuta Szkutnik-Fiedler MSc, PhD	Chair and Department of Clinical Pharmacy and Biopharmacy	50	12	0	38	4	pass
7	Biochemistry	Prof. Wanda Baer-Dubowska, MSc, PhD	Chair of Pharmaceutical Biochemistry	105	30	30	45	8	pass
8	Molecular Biology	Prof. Wanda Baer-Dubowska, MSc, PhD	Chair of Pharmaceutical Biochemistry	30	0	20	10	1,5	exam
9	Biotechnology	Prof. Jaromir Budzianowski MSc, PhD	Chair and Department of Pharmaceutical Botany and Plant Biotechnology	30	15	0	15	1,5	pass
10	Hygiene & Epidemiology	Assoc. Prof. Daniel Zielonka MD, PhD	Department of Hygiene	20	0	20	0	1	pass
11	Polish Language	Maria Nowosadko ThD	Department of Foreign Language Tuition	30	0	30	0	1	pass
12	Vacation Placement	Dr n. farm. Andrzej Czyrski	Chair and Department of Physical Pharmacy and Pharmacokinetics	160	0	0	160	5	pass
13	Elective Courses			60	0	0	0	4	pass
TOTAL:				1015	237	288	430	61	

FOURTH YEAR				Annual load					
No.	Course	Course Coordinator	Chair / Department	Total	Lectures	Seminars	Practicals	ECTS	Exam or pass/fail
1	Medicinal Chemistry I & II	Prof. Anna Jelińska MSc, PhD	Chair and Department of Pharmaceutical Chemistry	220	48	30	142	14	exam
2	Pharmacology III & IV	Prof. Przemysław Mikołajczak MSc, PhD	Chair and Department of Pharmacology	100	50	50	0	7	exam
3	Pharmacokinetics	Prof. Franciszek Główka MSc, PhD	Chair and Department of Physical Pharmacy and Pharmacokinetics	35	14	0	21	4	exam
4	Evidence Base for Pharmacy Practice	Assoc. Prof. Agnieszka Bienert MSc, PhD	Chair and Department of Clinical Pharmacy and Biopharmacy	60	0	60	0	4	pass
5	Clinical Nutrition & Health Promotion	Ilona Górna MSc PhD	Chair and Department of Food Science	70	30	7	33	4	exam
6	Communication, Behavior & Ethics in Pharmacy Practice	Prof. Anita Magowska MSc, PhD	Chair and Department of History of Medical Sciences	30	10	20	0	2	pass
7	Patient Care III & IV	Assoc. Prof. Edyta Szałek MSc, PhD	Chair and Department of Clinical Pharmacy and Biopharmacy	50	12	0	38	4	pass
8	Toxicology	Assoc. Prof. Marek Murias MSc, PhD	Chair and Department of Toxicology	80	17	7	56	4	exam
9	Public Health	Ewelina Wierzejska MSc, PhD	Chair and Department of Health Prophylaxis, Unit of International Health	20	3	3	14	1	pass
10	Advanced Pharmacotherapy, including:								
	Advanced Pharmacotherapy I - Cardiology	Artur Radziemski MD, PhD	Chair and Department of Hypertensiology, Angiology and Internal Medicine	25	0	8	17	2	pass
	Advanced Pharmacotherapy I - Endocrinology	Dorota Mańkowska-Wierzbička MD, PhD	Chair and Department of Endocrinology, Metabolic Disorders and Internal Medicine	20	0	5	15	1	pass

	Advanced Pharmacotherapy I - Gastroenterology	Alina Kanikowska MD, PhD	Chair and Department of Internal Medicine, Metabolic Diseases and Dietetics	20	0	5	15	1	pass
	Advanced Pharmacotherapy I - Metabolic Diseases + Nutrition (Drug Supplements)	Assoc. Prof. Nadia Sawicka-Gutaj MD, PhD	Chair and Department of Endocrinology, Metabolic Disorders and Internal Medicine	20	0	5	15	1	pass
11	Immunology & Oncology	Assoc. Prof. Dariusz Iżycki MD, PhD	Department of Tumor Immunology	30	0	10	20	2	pass
12	Polish Language	Maria Nowosadko ThD	Department of Foreign Language Tuition	30	0	30	0	1	pass
13	Vacation Placement in Hospital Pharmacy	Dorota Danielak MSc, PhD	Chair and Department of Physical Pharmacy and Pharmacokinetics	160	0	0	160	5	pass
14	Elective Courses			60	0	0	0	4	pass
TOTAL:				1030	184	240	546	61	

FIFTH YEAR

No.	Course	Course Coordinator	Chair / Department	Annual load				ECTS	Exam or pass/fail
				Total	Lectures	Seminars	Practicals		
1	Patient Care V & VI	Assoc. Prof. Agnieszka Bienert MSc, PhD	Chair and Department of Clinical Pharmacy and Biopharmacy	50	12	0	38	5	exam
2	Applied Biopharmaceutics	Assoc. Prof. Agnieszka Bienert MSc, PhD	Chair and Department of Clinical Pharmacy and Biopharmacy	40	12	28	0	5	exam
3	Pharmacoeconomics & Pharmacy Management	Prof. Elżbieta Nowakowska MSc, PhD	Chair and Department of Pharmacoeconomics and Social Pharmacy	45	15	30	0	3	pass
4	Clinical Pharmacokinetics	Prof. Franciszek Głowka MSc, PhD	Chair and Department of Physical Pharmacy and Pharmacokinetics	30	0	10	20	3	exam
5	Pharmaceutical Law	Krzysztof Kujawski MSc	n/a	25	0	25	0	2	pass
6	Methodology for Scientific Research	<i>Master thesis supervisor</i>	n/a	175	0	0	175	10	pass
7	Research Project	<i>Master thesis supervisor</i>	n/a	200	0	0	200	10	exam
8	Advanced Pharmacotherapy, including:								
	Advanced Pharmacotherapy II: Pulmonary Medicine	Marcin Grabicki MD, PhD	Chair and Department of Pulmonology, Allergology and Pulmonary Oncology	20	0	5	15	2	pass
	Advanced Pharmacotherapy II: Pediatrics-Diabetology	Bogda Skowrońska MD, PhD	Department of Adolescent Diabetology and Obesity	15	0	5	10	1	pass
	Advanced Pharmacotherapy II: Pediatrics-Gastroenterology	Beata Klincewicz MD, PhD	Department of Pediatric Gastroenterology and Metabolic Diseases	15	0	5	10	1	pass
	Advanced Pharmacotherapy II: Dermatology	Assoc. Prof. Dorota Jenerowicz MD, PhD	Chair and Department of Dermatology	10	0	3	7	1	pass
	Advanced Pharmacotherapy II: Fitotherapy	Joanna Nawrot MSc, PhD	Chair and Department of Medicinal and Cosmetic Natural Products	10	0	3	7	1	pass
	Advanced Pharmacotherapy III: Gynecology & Obstetrics	Prof. Grzegorz Bręborowicz MD, PhD	Department of Perinatology and Gynecology	20	0	5	15	2	pass
	Advanced Pharmacotherapy III: Hematology	Krzysztof Sawiński MD, PhD	Chair and Department of Hematology and Bone Marrow Transplantation	10	0	3	7	2	pass
	Advanced Pharmacotherapy III: Nephrology	Prof. Krzysztof Pawlaczyk MD, PhD	Chair and Department of Nephrology, Transplantology and Internal Medicine	10	0	3	7	1	pass
	Advanced Pharmacotherapy III: Critical Care Medicine	Assoc. Prof. Hanna Billert MD, PhD	Department of Experimental Anesthesiology	15	0	5	10	2	pass
	Advanced Pharmacotherapy III: Neurology	Assoc. Prof. Jolanta Dorszewska MSc, PhD	Neurobiology Laboratory	15	0	5	10	1	pass
	Advanced Pharmacotherapy IV: Family Care	Assoc. Prof. Ewelina Gowin MD, PhD	Chair and Department of Family Medicine	15	0	5	10	1	pass
	Advanced Pharmacotherapy IV: Psychiatry	Aleksandra Suwalska MD, PhD	Chair of Psychiatry, Department of Adult Psychiatry	15	0	5	10	1	pass
	Advanced Pharmacotherapy IV: Paediatrics-Allergology	Irena Wojsyk-Banaszak MD, PhD	Department of Pediatric Pulmonology, Allergology and Clinical Immunology	10	0	3	7	1	pass

	Advanced Pharmacotherapy IV: Basics Rules Of Pharmacologic Therapy In Internal Diseases	Assoc. Prof. Bogna Grygiel-Górniak MD, PhD	Chair and Department of Rheumatology and Internal Medicine	12	0	6	6	1	pass
9	Elective Courses			60	0	0	0	4	pass
TOTAL:				817	39	154	564	60	

SIXTH YEAR

No.	Course	Course Coordinator	Chair / Department	Annual load				ECTS	Exam or pass/fail
				Total	Lectures	Seminars	Practicals		
1	Obligatory Pharmacy (Community And Hospital) Practices	Bartosz Urbaniak MSc, PhD	Chair and Department of Chemistry	960h=6 months				30	pass
2	Advanced Pharmacy Practices, including:	Paulina Skupin - Mrugalska MSc, PhD, Katarzyna Kosicka MSc, PhD	Chair and Department of Inorganic and Analytical Chemistry, Chair and Department of Physical Pharmacy and Pharmacokinetics	560h=4 months				30	pass
	Course 1: Gynecology And Obstetrics			40h=1 week				2	pass
	Course 2: Infectious Diseases			40h=1 week				2	pass
	Course 3: Endocrinology			40h=1 week				2	pass
	Course 4: Oncology			40h=1 week				2	pass
	Course 5: Cardiology			40h=1 week				2	pass
	Course 6: Neonatal Intensive Care			40h=1 week				2	pass
	Course 7: Geriatric Medicine			120h=3 weeks				5	pass
	Course 8: Pediatrics With Element Of Oncology			40h=1 week				2	pass
	Course 9: Internal Medicine with Elements of Family Care			120h=3 weeks				5	pass
	Course 10: Intensive Care	40h=1 week				2	pass		
3	Pharmacy Review	Prof. Franciszek Główka MSc, PhD Assoc. Prof.. Marta Karaźniewicz-Łada MSc, PhD	Chair and Department of Physical Pharmacy and Pharmacokinetics	80h=2 weeks				4	exam