

STUDY OFFERING, CURRICULUM HOUR MATRIX 2019-2020

Unit: Faculty of Veterinary Medicine
Field of studies: Veterinary Medicine

YEAR 1, SEMESTER 1

II

No	Year	Sem.	Old catalogue number	Mandatory Elective	Module	Person responsible for the module	Lectures	Practicals	Seminars	Field exercises	e-learning	ECTS	Estimated hours for ECTS	Curricular hours
1	1	1	B7/1	m	Animal anatomy module 1	dr Tomasz Szara	30	60				8	240	90
2	1	1	B6/1	m	Histology and embryology module 1	dr hab. Anna Maria Duszewska	15	15				5	190	30
3	1	1	B2	m	Cell biology	dr hab. Anna Maria Duszewska	15	15				2	45	30
4	1	1	B1	m	Biology	Dr Maciej Szmidt	30					2	30	30
5	1	1	A3	m	Information technology	Dr Krzysztof Karpio		30				2	52	30
6	1	1	B4	m	Biophysics	dr hab. Michał M. Godlewski	30					2	42	30
7	1	1	A4	m	Latin	Mgr Mikołaj Antczak		30				2	30	30
8	1	1	B5	m	Chemistry	Prof. dr hab. Bogdan Dębski	15	30				3	75	45
9	1	1	A7/1	m	Physical education module 1	mgr Mikołaj Rosa		30				0	0	30
10	1	1	A8	m	Copyrights in academia	dr Michał Tracz	15					1	30	15
11	1	1	A2	e	Molecular cell physiology	Prof. dr hab. Arkadiusz Orzechowski	30					2	45	30
12	1	1	E6	e	Intercultural communication	dr Agata Młynarska-Jurczuk	30					2	45	30
13	1	1	E65	e	Calculus	Prof. dr hab. Mikołaj A. Gralak	7	8				1	30	15
14	1	1	A6/2	e	English language for university student	lek wet Natalia Strokowska		15				1	30	15
15	1	1	E95	e	Successful learning	dr inż. Mariusz Maciejczak	15					1	30	15
16	1	1	E96	e	Critical thinking	mgr Małgorzata Zawadka	15					1	30	15
17	1	1	A6/1	e	Polish language	mgr Beata Czerwińska, mgr Agnieszka Wójcik		30				2	45	30

Sum of hours: Sum of hours: 247 263 0 0 0

ECTS social sciences: ECTS social sciences: 7 ECTS electives: 10 ECTS total: 37 Curricular hours: 510

YEAR 1, SEMESTER 2

II

No	Year	Sem.	Old catalogue number	Mandatory Elective	Module	Person responsible for the module	Lectures	Practicals	Seminars	Field exercises	e-learning	ECTS	Estimated hours for ECTS	Curricular hours
18	1	2	B7/2	m	Animal anatomy module 2	dr Tomasz Szara	30	60				8	370	90
19	1	2	B6/2	m	Histology and embryology Module 2	dr hab. Anna Maria Duszewska	30	30				5	190	60
20	1	2	B3/1	m	Biochemistry module 1	Prof. dr hab. Bogdan Dębski	15	45				4	100	60
21	1	2	B12	m	General and veterinary genetics	dr hab. Anna Maria Duszewska	15	15				2	45	30
22	1	2	B18	m	Environmental protection	Prof. dr hab. inż. Józef Mosiej	30					2	60	30
23	1	2	B19	m	Biostatistics and methods of documentation	dr Michał Czopowicz	15	15				2	60	30
24	1	2	D29	m	History of veterinary and deontology	dr Jan Wiśniewski	30					2	60	30
25	1	2	D1	m	Agronomy	dr hab. Irena Suwara	15					1	28	15
26	1	2	A7/2	m	Physical education module 2	mgr Mikołaj Rosa		30				0	0	30
27	1	2	A5/1	m	Polish language module 1	mgr Beata Czerwińska, mgr Agnieszka Wójcik		30				2	35	30
28	1	2	E7	e	Aquaculture and exotic animals care	dr Joanna Zarzyńska	30					2	45	30
29	1	2	E68	e	Breeds and varieties of dogs and cats	dr Joanna Zarzyńska	15					1	30	15

Sum of hours: Sum of hours: 225 225 0 0 0

ECTS social sciences: ECTS social sciences: 2 ECTS electives: 3 ECTS total: 31 Curricular hours: 450

YEAR 2, SEMESTER 3

II

No	Year	Sem.	Old catalogue number	Mandatory Elective	Module	Person responsible for the module	Lectures	Practicals	Seminars	Field exercises	e-learning	ECTS	Estimated hours for ECTS	Curricular hours	
30	2	3	B3/2	m	Biochemistry module 2	Prof. dr hab. Bogdan Dębski	30	45				6	150	75	
31	2	3	B9/1	m	Animal physiology module 1	Prof. dr hab. Tomasz Motyl	30	39	6			6	89	75	
32	2	3	D2	m	Animal husbandry and breeding	Prof. dr hab. Mikołaj A. Gralak	30	15				3	60	45	
33	2	3	D3	m	Technologies in animal production	Prof. dr hab. Mikołaj A. Gralak	30					2	36	30	
34	2	3	D6	m	Ethology	dr hab. Tadeusz Kaleta	30					2	50	30	
35	2	3	D8	m	Veterinary economics	dr inż. Mariusz Maciejczak	15					1	25	15	
36	2	3	B13	m	Veterinary epidemiology	dr Michał Czopowicz		30				2	60	30	
37	2	3	A5/2	m	Polish language module 2	mgr Beata Czerwińska, mgr Agnieszka Wójcik		60				2	65	60	
38	2	3	B10/1	m	Veterinary microbiology module 1	Prof. dr hab. Marcin Bańbura	30	45				5	150	75	
39	2	3	A1	e	Comparative anatomy	dr Michał Skibniewski		45				4	120	45	
40	2	3	E69	e	Medical botany	dr hab. Marta Mendel	15					1	30	15	
Sum of hours:							Sum of hours:	210	279	6	0	0			
ECTS social sciences:							ECTS social sciences:	2	ECTS electives:	5	ECTS total:	34	Curricular hours:	495	

YEAR 2, SEMESTER 4

II

No	Year	Sem.	Old catalogue number	Mandatory Elective	Module	Person responsible for the module	Lectures	Practicals	Seminars	Field exercises	e-learning	ECTS	Estimated hours for ECTS	Curricular hours	
41	2	4	B9/2	m	Animal physiology module 2	Prof. dr hab. Tomasz Motyl	30	39	6			6	89	75	
42	2	4	B10/2	m	Veterinary microbiology module 2	Prof. dr hab. Marcin Bańbura	30	45				5	150	75	
43	2	4	D4	m	Animal nutrition and feeding	Prof. dr hab. Mikołaj A. Gralak	30	20	6	4		4	109	60	
44	2	4	A5/3	m	Polish language module 3	mgr Beata Czerwińska, mgr Agnieszka Wójcik		60				2	65	60	
45	2	4	B11	m	Immunology	dr Małgorzata Gieryńska	15	15	15			4	97	45	
46	2	4	B8	m	Topographic anatomy	dr Maria Makowiecka	15	24	6			4	120	45	
47	2	4	E8	e	Physiology of exercise	Prof. dr hab. Piotr Ostaszewski	30					2	50	30	
48	2	4	E97	e	Principles of animal handling	dr Marek Kulka		30				2	60	30	
49	2	4	WP1	sp	Husbandry practice (summer practice)	Prof. dr hab. Mikołaj Gralak				80		1	80	80	
Sum of hours:							Sum of hours:	150	233	33	84	0			
ECTS social sciences:							ECTS social sciences:	2	ECTS electives:	4	ECTS total:	30	Curricular hours:	500	

YEAR 3, SEMESTER 5

II

No	Year	Sem.	Old catalogue number	Mandatory Elective	Module	Person responsible for the module	Lectures	Practicals	Seminars	Field exercises	e-learning	ECTS	Estimated hours for ECTS	Curricular hours
50	3	5	B14	m	Animal pathophysiology	Prof. dr hab. Arkadiusz Orzechowski	60	39	6			10	300	105
51	3	5	B15/1	m	Veterinary pharmacology module 1	dr Wojciech Karlik	30	30				4	175	60
52	3	5	D13/1	m	Parasitology and invasiology module 1	dr Maciej Klockiewicz	30	30				5	100	60
53	3	5	D11/1	m	Pathomorphology module 1	dr hab. Rafał Sapieryński	30	45				8	200	75
54	3	5	A5/4	m	Polish language module 4	mgr Beata Czerwińska, mgr Agnieszka Wójcik		30				2	35	30

55	3	5	D10/1	m	Clinical and laboratory diagnostics Module 1	dr Magdalena Garncarz	30	30					3	90	60
56	3	5	E11	e	Veterinary virology	dr hab. Marcin Bańbura	15						1	25	15
57	3	5	E10	e	Bacteriological and mycological laboratory diagnostics of skin infections in dogs and cats	dr hab. Bożena Dworecka Kaszak		15					1	30	15
58	3	5	E77	e	One Health in veterinary practice	dr hab. Magdalena Rzewuska, dr hab. Marta Mendel, dr Natalia Dziekan, dr Maciej Klockiewicz, dr Artur Jabłoński, dr Agnieszka Jackowska-Tracz	15						1	30	15

Sum of hours: Sum of hours: 210 219 6 0 0

ECTS social sciences: ECTS social sciences: 2 ECTS electives: 3 ECTS total: 35 Curricular hours: 435

YEAR 3, SEMESTER 6

II

No	Year	Sem.	Old catalogue number	Mandatory Elective	Module	Person responsible for the module	Lectures	Practicals	Seminars	Field exercises	e-learning	ECTS	Estimated hours for ECTS	Curricular hours
59	3	6	B15/2	m	Veterinary pharmacology module 2	dr Wojciech Karlik	15	45				4	175	60
60	3	6	D11/2	m	Pathomorphology module 2	dr hab. Rafał Sapierzyński	30	45				8	200	75
61	3	6	B16	m	Veterinary pharmacy	dr Wojciech Karlik	15					1	25	15
62	3	6	D12	m	General surgery and anesthesiology	dr Bianca Carstanjen, Prof. dr hab. Zdzisław Gajewski	15	30				3	90	45
63	3	6	D9	m	Diagnostic imaging	dr Bianca Carstanjen, Prof. dr hab. Zdzisław Gajewski	15	45				3	118	60
64	3	6	D27	m	Response to public health related disasters	dr Michał Tracz	15	15				2	56	30
65	3	6	D13/2	m	Parasitology and invasiology module 2	dr Maciej Klockiewicz	15	30				3	80	45
66	3	6	D10/2	m	Clinical and laboratory diagnostics module 2	dr Magdalena Garncarz	30	30				4	60	60
67	3	6	D21	m	Bee diseases	Prof. dr hab. Grażyna Topolska	15	8		7		1	40	30
68	3	6	E13	e	Advances in biomedical sciences - joint course	dr hab. Michał M. Godlewski			15			2	45	15
69	3	6	E71	e	Experimental immunology	dr Kinga Majchrzak	6	3	6			1	30	15

Sum of hours: Sum of hours: 171 251 21 7 0

ECTS social sciences: ECTS social sciences: 0 ECTS electives: 3 ECTS total: 32 Curricular hours: 450

YEAR 4, SEMESTER 7

II

No	Year	Sem.	Old catalogue number	Mandatory Elective	Module	Person responsible for the module	Lectures	Practicals	Seminars	Field exercises	e-learning	ECTS	Estimated hours for ECTS	Curricular hours
70	4	7	D16	m	Farm animal diseases	Prof. dr hab. Zdzisław Gajewski	105	129		21		15	375	255
71	4	7	D22/1	m	Meat hygiene module 1	dr hab. Krzysztof Anusz	15	45				3	100	60
72	4	7	D11/3	m	Pathomorphology module 3	dr hab. Rafał Sapierzyński	30	30				8	200	60
73	4	7	D26	m	Feed hygiene	dr Joanna Zarzyńska	20			10		2	56	30
74	4	7	E46	e	Radiographic anatomy of dog and cat	dr Norbert Czubaj		15				1	30	15
75	4	7	E50	e	Clinical and functional neuroanatomy in dogs and cats	Lek. wet. Wojciech Sokółowski		15				1	30	15
76	4	7	E78	e	Management of laboratory animal facility	dr Piotr Pietrzak	15					1	30	15

Sum of hours: Sum of hours: 185 234 0 31 0

ECTS social sciences: ECTS social sciences: 0 ECTS electives: 3 ECTS total: 31 Curricular hours: 450

YEAR 4, SEMESTER 8

II

No	Year	Sem.	Old catalogue number	Mandatory Elective	Module	Person responsible for the module	Lectures	Practicals	Seminars	Field exercises	e-learning	ECTS	Estimated hours for ECTS	Curricular hours
77	4	8	D15	m	Equine diseases	Prof. dr hab. Zdzisław Gajewski	60	120				12	300	180
78	4	8	D22/2	m	Meat Hygiene module 2	dr hab. Krzysztof Anusz	15	30				4	90	45
79	4	8	D25	m	Zoonoses	dr hab. Krzysztof Anusz	15					1	25	15
80	4	8	B17	m	General toxicology	dr hab. Marta Mendel	30	30				3	75	60
81	4	8	D17	m	Andrology and artificial insemination	dr Ricardo Faundez	14	20		6		3	80	40
82	4	8	B20	m	Veterinary jurisprudence	dr Michał Tracz	15		15			2	60	30
83	4	8	D20	m	Fish diseases	Prof. dr hab. Andrzej K. Siwicki	15	10				1	25	25
84	4	8	E19	e	Clinical immunology	dr hab. Anna Cywińska			15			1	30	15
85	4	8	E85	e	Clinical haematology	dr Marek Kulka	3	12				1	30	15
86	4	8	WP2	sp	Clinical practice module 1 (summer practice)	dr Maciej Klockiewicz				160		5	160	160
87	4	8	WP3	sp	Vet. inspection practice, slaughter house (summer practice)	Prof. dr hab. Krzysztof Anusz				80		2	80	80

Sum of hours: Sum of hours: 167 222 30 246 0

ECTS social sciences: ECTS social sciences: 0 ECTS electives: 2 ECTS total: 35 Curricular hours: 665

YEAR 5, SEMESTER 9

II

No	Year	Sem.	Old catalogue number	Mandatory Elective	Module	Person responsible for the module	Lectures	Practicals	Seminars	Field exercises	e-learning	ECTS	Estimated hours for ECTS	Curricular hours
88	5	9	D14	m	Dog and cat diseases	Prof. dr hab. Roman Lechowski	75	150				14	450	225
89	5	9	D5	m	Dietetics	Prof. dr hab. Piotr Ostaszewski	15		15			1	40	30
90	5	9	D18	m	Avian diseases	Prof. dr hab. Piotr Szeleszczuk	45	45				6	180	90
91	5	9	D28	m	Administration and legal aspects in veterinary	dr Michał Tracz	15		30			2	60	45
92	5	9	D19	m	Fur animals diseases	dr Tadeusz Jakubowski	10	9		6		1	35	25
93	5	9	D23/1	m	Hygiene of food of animal origin module 1	dr Agnieszka Jackowska-Tracz	30	45				4	195	75
94	5	9	E20	e	Clinical toxicology of large animals	dr hab. Marta Mendel	15					1	25	15
95	5	9	E21	e	Clinical toxicology of small animals	dr hab. Marta Mendel	15					1	25	15
96	5	9	E80	e	Veterinary at the border control	dr Michał Tracz	6	6		3		1	30	15
97	5	9	E84	e	Reptile and amphibian dietetics	dr Joanna Zarzyńska	15					1	30	15

Sum of hours: Sum of hours: 241 255 45 9 0

ECTS social sciences: ECTS social sciences: 0 ECTS electives: 4 ECTS total: 32 Curricular hours: 550

YEAR 5, SEMESTER 10

II

No	Year	Sem.	Old catalogue number	Mandatory Elective	Module	Person responsible for the module	Lectures	Practicals	Seminars	Field exercises	e-learning	ECTS	Estimated hours for ECTS	Curricular hours
98	5	10	D7	m	Veterinary prevention	Prof. dr hab. Romuald Zabielski	45	25		5		5	137	75
99	5	10	D23/2	m	Hygiene of food of animal origin module 2	dr Agnieszka Jackowska-Tracz	15	30				4	105	45
100	5	10	D24	m	Milk hygiene	dr Joanna Zarzyńska	15	15				2	56	30
101	5	10	R2	m	Rotation - Farm animal diseases	Prof. dr hab. Zdzisław Gajewski				90		4	142	90
102	5	10	R3	m	Rotation - Dog and cat diseases	dr Magdalena Ostrzeszewicz		85				6	170	85
103	5	10	R4	m	Rotation - Equine diseases	Prof. dr hab. Zdzisław Gajewski		50		40		4	142	90
104	5	10	R1	m	Rotation - Avian diseases	Prof. dr hab. Piotr Szeleszczuk		30				2	60	30

105	5	10	R6	m	Rotation - Laboratory class of parasitology	dr Maciej Klockiewicz			7.5	7.5			2	25	15
Block I: Small Animal Electives [4 ECTS]															
106	5	10	E23	e	Behavioural medicine of cats and dogs	dr Jagna Kudła	15			15			2	45	30
107	5	10	E15	e	Clinical and laboratory diagnostics in emergency veterinary medicine	dr Agnieszka Wrzesińska		5	10				1	30	15
108	5	10	E52	e	Differential diagnostics based on laboratory results	dr hab. Marta Mendel	15						1	30	15
Block II: Large Animal Electives [4 ECTS]															
109	5	10	E81	e	Behavioural medicine of horses	dr Dominika Domańska			15				1	30	15
110	5	10	E12	e	Veterinary of pig herd	dr Piotr Matyba	2				13		1	30	15
111	5	10	E38	e	Veterinary of the racing horse	dr hab. Anna Cywińska	15				15		2	45	30
Block III: Food Hygiene Electives [4 ECTS]															
112	5	10	E51	e	Management of seafood safety	dr Agnieszka Jackowska-Tracz	15						1	30	15
113	5	10	E42	e	Management of food and feed safety	dr Agnieszka Jackowska-Tracz	15						1	30	15
114	5	10	E83	e	Nutraceuticals in farm animals	Prof. dr hab. Mikołaj Gralak	15						1	30	15
115	5	10	E17	e	Applied pharmacology of farm animals	dr Artur Jabłoński	15						1	30	15
Other Electives [4 ECTS]															
116	5	10	E43	e	Ophthalmology in small animals	lek. wet. Aleksandra Tomkowicz	3		12				1	31	15
117	5	10	E86	e	Breed-related disorders	dr Magdalena Kalwas-Śliwińska	15						1	30	15
118	5	10	E14	e	From symptoms to diagnosis - skin	dr Katarzyna Zabielska-Koczywąg				15			1	30	15
119	5	10	E89	e	Veterinary otology	dr Michał Skibniewski	6		9				1	30	15
120	5	10	WP4	sp	Clinical practice module 2 (summer practice)	dr Maciej Klockiewicz					160		5	160	160
121	5	10	WP5	sp	Veterinary inspection, meat hygiene (summer practice)	dr Agnieszka Jackowska-Tracz					80		2	85	80
Sum of hours:							206	283.5	47.5	403	0				
ECTS social sciences:							0	ECTS electives:	16	ECTS total:	52	Curricular hours:	940		

YEAR 6, SEMESTER 11

II

No	Year	Sem.	Old catalogue number	Mandatory Elective	Module	Person responsible for the module	Lectures	Practicals	Seminars	Field exercises	e-learning	ECTS	Estimated hours for ECTS	Curricular hours	
122	6	11	R5	m	Rotation - Veterinary laboratory diagnostics	dr Marta Parzeniecka-Jaworska		15				2	30	15	
123	6	11	D30	m	Herd health management	Prof. dr hab. Zdzisław Gajewski	30	33		12		2	75	75	
Block I: Small Animal Electives [9 ECTS]															
124	6	11	E22	e	Cardiology diagnostics in small animals	dr Magdalena Garncarz	15					1	28	15	
125	6	11	E24	e	Small animal bone and joint surgery	dr hab. Jacek Sterna		30				2	50	30	
126	6	11	E53	e	Daily clinical practice	dr Marek Kulka		15				1	30	15	
127	6	11	E37	e	Clinical course of small animal surgery	dr Beata Degórska		15				1	30	15	
128	6	11	E54	e	Small animal dermatology	dr Katarzyna Zabielska-Koczywąg	6	9				1	30	15	
129	6	11	E29	e	Small animal dentistry	dr Michał Wąsowicz	6	9				1	30	15	
130	6	11	E36	e	Surgery of genital organs of dogs and cats (solo castration)	dr hab. Piotr Jurka	15	15				2	45	30	
Block II: Large Animal Electives [9 ECTS]															
131	6	11	E55	e	Equine diseases - clinical cases	dr Bernard Turek			8		7	1	30	15	
132	6	11	E56	e	Common surgical procedures in horses	dr Bianca Carstanjen, Prof. dr hab. Zdzisław Gajewski		16				1	30	16	
133	6	11	E31	e	Ultrasound diagnostics of the reproductive tract in farm animals	dr Bartosz Pawliński	4	26				2	45	30	
134	6	11	E57	e	Horse dentistry	dr Bianca Carstanjen, Prof. dr hab. Zdzisław Gajewski	9	6				1	30	15	
135	6	11	E58	e	Horse arthroscopy	dr Bianca Carstanjen, Prof. dr hab. Zdzisław Gajewski	8	7				1	30	15	
136	6	11	E76	e	Hoof management in cattle	dr Bartosz Pawliński, Kurt Bach		3		12		1	30	15	
137	6	11	E59	e	Mastitis prevention and treatment in dairy herds	dr Bartosz Pawliński	5	25				2	45	30	
Block III: Advanced Imaging Electives [3 ECTS]															
138	6	11	E44	e	Veterinary oncology	dr Sławomir Giziński				15		1	30	15	
139	6	11	E39	e	Ultrasound diagnostics in companion animals	dr Sławomir Giziński		15				1	30	15	

140	6	11	E60	e	Imaging diagnostics in companion animals	dr Bianca Carstanjen, Prof. dr hab. Zdzisław Gajewski		15				1	30	15
Block IV: Advanced Internal Medicine Electives [3 ECTS]														
141	6	11	E61	e	Management of life-threatening situations in small animal anaesthesia	dr Agnieszka Wrzesińska		15				1	30	15
142	6	11	E30	e	Intensive care of dogs and cats	dr Magdalena Kalwas-Śliwińska		15				1	30	15
143	6	11	E62	e	From symptoms to diagnosis - advanced course	dr Magdalena Kalwas-Śliwińska		15				1	30	15
Other Electives [10 ECTS]														
144	6	11	E4	e	Communication and negotiations skills in veterinary practice	mgr Piotr Giegżno	5	10				1	25	15
145	6	11	E41	e	Exotic animals medicine	dr Aleksandra Ledwoń	24	6				2	45	30
146	6	11	E63	e	Clinical course of exotic animal diseases (ZOO)	dr Agnieszka Czujkowska	9			21		2	60	30
147	6	11	E32	e	Management of veterinary practice	dr inż. Mariusz Maciejczak	7	8				1	30	15
148	6	11	E64	e	Introduction to cynology and dog show essentials	dr Joanna Zarzyńska	12	1	2			1	30	15
149	6	11	E34	e	Herd health management in small ruminants	Prof. dr hab. Zdzisław Gajewski	5	10		15		2	45	30
150	6	11	E74	e	Clinical anaesthesiology	dr Katarzyna Siewruk		15				1	30	15
151	6	11	E83	e	Nutraceuticals in farm animals	Prof. dr hab. Mikołaj Gralak	15					1	30	15

Sum of hours: 175 327 47 67 0

ECTS social sciences: 0 ECTS social sciences: 0 ECTS electives: 35 ECTS total: 39 Curricular hours: 616

Total curricular hours excluding research project: 6061

Total ECTS: 408 Social sciences: 15 Electives: 108

YEAR 6, SEMESTER 11

II

No	Year	Sem.	Old catalogue number	Mandatory Elective	Module	Person responsible for the module	Lectures	Practicals	Seminars	Field exercises	e-learning	ECTS	Estimated hours for ECTS	Curricular hours
152	6	11	E66	e	Individual research project, completed with dissertation	various, upon Dean's acceptance		450				20	450	450

Sum of hours: 0 450 0 0 0

ECTS social sciences: 0 ECTS social sciences: 0 ECTS electives: 20 ECTS total: 20 Curricular hours: 450