

Syllabus

Module title:	Veterinary prevention	ECTS	4
Polish translation:	Prewencja weterynaryjna		
Course:	Veterinary medicine		

Module language: English		Stage: JM	
Form of studies: <input checked="" type="checkbox"/> intramural <input type="checkbox"/> extramural	Type of module: <input type="checkbox"/> basic <input checked="" type="checkbox"/> directional <input type="checkbox"/> accessory <input type="checkbox"/> rotation <input type="checkbox"/> summer practice	<input checked="" type="checkbox"/> mandatory <input type="checkbox"/> elective	Semester: ...10..... Year 5 <input type="checkbox"/> winter semester <input checked="" type="checkbox"/> summer semester
Academic year:		Intake 2020/2021	Catalogue number: FVM-V-JMSS-10S-D07_20

Module coordinator:	Prof. dr hab. Romuald Zabielski		
Teachers responsible for the module:	CMT academic teachers, visiting professors, doctoral students in accordance with the applicable internal legal act. Other specialists depending on the needs and possibilities.		
Unit responsible for the module:	Centrum Medycyny Translacyjnej		
Faculty in charge:	Faculty of Veterinary Medicine		
Objectives of the module:	<p>Preventive medicine covers means to assure animal's welfare and productivity, and to protect from epigenetic disorders in foetal life such as premature birth and non-infectious and infectious intrauterine growth retardation which have their consequences in early and late postnatal life. Furthermore it covers topics in neonatology and physiology and pathology of growing production animals and all hygienic procedures associated with nutrition, proper resistance to diseases, and herd health management. The other sub-topics are related to diagnostics of the entire herd condition by feed and water examination and using diagnostic tests, and examination of individual cases. In preventive medicine, farm localization and local environment and related biohazards play important role.</p> <p>Preventive medicine is interdisciplinary, and brings together the knowledge from different areas from physiology, feed science, nutrition and immunology through pathology, microbiology, toxicology diagnostics internal, infectious, reproduction diseases, economy and management.</p>		
Teaching forms, number of hours:	<p>a) Lectures: 30 h b) Practicals: 18 h c) Field exercises: 27 h</p>		
Teaching methods:	Monography lectures supported by PowerPoint presentations are given by top-class experts in the field. Practical course includes discussion on preparations for visiting livestock farm, collecting and analysing data, reporting strong and weak points found in farm management and building cost-effective strategies which could be proposed to solve farmer's problem.		
Formal prerequisites and initial requirements:	Farm animals diseases, Equine diseases, Veterinary microbiology modules 1-2, Parasitology and invasiology modules 1-2, Veterinary jurisprudence, Administration and legal aspects in veterinary, Veterinary epidemiology Student possesses knowledge and abilities obtained already during the study course		
Learning outcomes:	<p>Knowledge:</p> <p>Identifies and describes biology of contagious factors causing diseases transferred between animals and antropozoonozes, including mechanisms of their transfer and animal's defence mechanisms</p> <p>Describes and interprets causes and symptoms of diseases, describes and interprets pathomorphology manifestations and implements principles of prevention in particular diseases</p> <p>Examines clinically the patients and monitors health in production herds</p> <p>Collects, evaluates and properly interprets clinical data and laboratory analysis and other data</p> <p>Describes and evaluates conditions providing animal welfare</p>	<p>Skills:</p> <p>Effectively communicates with clients, other veterinarians and officers of control units, state and self-government administration</p> <p>Performs entire case study procedure to obtain precise information on single animals or groups of animals and living environment</p>	<p>Competences:</p> <p>.....</p> <p>.....</p>

Assessment methods:	Effects 01, 02 – tests during practical classes; effect 03 – test during practical classes, evaluation of student's project; effects 04, 05 – evaluation of student's project; effects 06, 07, 08 – written exam
Formal documentation of learning outcomes:	Written tests, submitted report of farm evaluation, written exam
Elements impelling final grade:	Effects of studying are verified by: 1. test grades, 2. evaluation of student's report, 3. exam grades; A maximum number of points is ascribed for each of the above items (total 100 points). Weights: 1-30%, 2-20%, 3-50%. Grades criteria: <51 points: 2; 52-60 points: 3, 61-70 points: 3+, 71-80 points: 4; 81-90 points: 4+; >91 points: 5. Those who did not submit the report and did not pass the tests and did not pass successfully the exam cannot pass the entire subject.
Teaching base:	lecture halls, classrooms, laboratories, production farm
Mandatory and supportive materials : There is no one textbook in Preventive Medicine. Books available at Faculty library, internet materials, supportive materials prepared by the lecturers.	
ANNOTATIONS	

Quantitative summary of the module:

Estimated number of work hours per student (contact and self-study) essential to achieve presumed learning outcomes of the module - base for quantifying ECTS:	...137..... h
Total ECTS points, accumulated by students during contact learning:	...3... ECTS

Learning outcomes of the module relative to the learning outcomes of the subject:

Outcome category	Learning outcomes:	Learning outcomes relative to the course outcomes	Impact on the course outcomes*)
Knowledge -	Identifies and describes biology of contagious factors causing diseases transferred between animals and antropozoonozes, including mechanisms of their transfer and animal's defence mechanisms	WW_NP8	3
Knowledge -	Describes and interprets causes and symptoms of diseases, describes and interprets pathomorphology manifestations and implements principles of prevention in particular diseases	W_NK3	3
Knowledge	Examines clinically the patients and monitors health in production herds	W_NK5	3
Knowledge	Collects, evaluates and properly interprets clinical data and laboratory analysis and other data	W_NK7	3
Knowledge	Describes and evaluates conditions providing animal welfare	W_PZ4	3
Skills	Effectively communicates with clients, other veterinarians and officers of control units, state and self-government administration	U_OUZ2	3
Skills -	Performs entire case study procedure to obtain precise information on single animals or groups of animals and living environment	U_PUZ1	3
Skills	Elaborates and implements prophylaxis programs appropriate for given animal species	U-PUZ18	3

*)

3 – Significant and detailed,

2 – Partial,
1 – Basic,

WNZ-ZT-1Z-08Z-03_19

Kod Wydziału-Kod kierunku-Kod poziomu i formy-numer semestru Z zimowy L letni-numer przedmiotu w planie semestru_rok akademicki, od którego obowiązuje opis / 2019-2020 →19/

WNZ – Wydział nauk o zwierzętach (kod HMS)

ROL	Rolnictwa i Biologii
WET	Medycyny Weterynaryjnej
LES	Leśny
OGR	Ogrodnictwa, Biotechnologii i Architektury Krajobrazu
BIS	Budownictwa i Inżynierii Środowiska
TDR	Technologii Drewna
WNZ	Nauk o Zwierzętach
EKR	Nauk Ekonomicznych
NoZ	Nauk o Żywności
ZCZ	Nauk o Żywieniu Człowieka i Konsumpcji
WIP	Inżynierii Produkcji
ZIM	Zastosowań Informatyki i Matematyki
WNH	Nauk Społecznych

ZT – zootechnika

A	architektura krajobrazu
B	biologia
BD	budownictwo
BT	biotechnologia
BW	bioinżynieria zwierząt
BZ	bezpieczeństwo żywności
D	dietetyka
E	ekonomia
ER	ekologiczne rolnictwo i produkcja żywności
F	finanse i rachunkowość weterynaria
GH	gastronomia i hotelarstwo
GP	gospodarka przestrzenna
H	hodowla i ochrona zwierząt towarzyszących i dzikich
IB	inżynieria systemów biotechnicznych
IE	informatyka i ekonometria
IG	inżynieria i gospodarka wodna
IK	inżynieria ekologiczna
IN	informatyka
IS	inżynieria środowiska
L	logistyka
LS	leśnictwo
M	meblarstwo
O	ogrodnictwo
OR	ochrona zdrowia roślin
OS	ochrona środowiska
P	pedagogika
R	rolnictwo
S	socjologia
TD	technologia drewna
TE	technologie energii odnawialnej
TU	turystyka i rekreacja
TB	towaroznawstwo w biogospodarce
TZ	technologia żywności i żywienie człowieka
W	weterynaria
W-N	weterynaria weterynaria
Z	zarządzanie
ZC	żywienie człowieka i ocena żywności
ZP	zarządzanie i inżynieria produkcji
ZT	zootechnika

1Z – studia I stopnia niestacjonarne

1S – I st., stacjonarne;

2S – II st., stacjonarne;

2Z – II st., niestacjonarne