Learning outcomes	M WESE M1 CHEM	M WESE M1 BIOL	M WESE M1 BIOL KOM	M WESE M1 MTECH INF
1. A graduate in terms of knowledge acquired in the learning process within the group of directional classes:				
1) basic sciences:				
WE_W01 knows and describes the normal structures of an animal organism: cells, tissues, organs and systems		++	+	
WE_W02 knows the structure, describes and explains the functions of individual systems of the animal organism (respiratory, digestive, circulatory, excretory, nervous, movement, reproductive, endocrine, immune) and skin				
WE_W03 describes and interprets the development of organs and the whole organism in relation to the adult organism				
WE_W04 describes and explains metabolic processes at the molecular, cellular, organ and systemic levels	+		+	
WE_W05 describes and explains the phenomena of homeostasis, neurohormonal regulation, reproduction, aging and death	+			
WE_W06 describes, explains and interprets the principles and mechanisms underlying animal health, disease emergence and treatment - from the cell level, through the organ, animal, animal herd to the entire animal population	+			
WE_W07 knows and interprets pathophysiological changes in organs and systems and biological (including immunological) and pharmacological mechanisms enabling recovery				
WE_W08 identifies and describes the biology of infectious agents causing animal-transmitted diseases and anthropozoonoses, including the mechanisms of disease transmission and the body's defense mechanisms				
WE_W09 defines and describes the principles and processes of inheritance, recognises genetic disorders and knows the basics of genetic engineering				
WE_W10 defines and describes the mechanisms of action of specific groups of drugs, their disposition in the system and mutual interactions		++		
WE_W11 uses antibiotic therapy				
WE_W12 prescribes medications				
WE_W13 use Polish and Latin medical nomenclature				
WE_W14 uses a modern foreign language to a degree which enables him to communicate with specialists in the field of veterinary and related sciences and to use foreign language source materials				+
2) clinical sciences:				
WE_W15 describes, explains and interprets disorders at the cell, tissue, organ, system and organism level in the course of disease				
WE_W16 describes, explains and interprets the mechanisms of organ and systemic pathologies				
WE_W17 describes and interprets the causes and symptoms, describes and interprets anatomopathological changes, applies the principles of treatment and prevention in individual disease entities				
WE_W18 implements the principles of diagnostic (including differential diagnosis) and therapeutic proceedings				
WE_W19 conducts a clinical examination of the patient and monitors the health condition of animals in large-scale farming				
WE_W20 follows the correct procedure for dealing with notifiable diseases				
WE_W21 collects, analyses and appropriately interprets clinical data and the results of laboratory and additional tests				++
WE_W22 indicates and interprets the relevant provisions of law, knows the principles of issuing rulings and prepares opinions for courts, state, local government and professional administration bodies				
WE_W23 knows the principles of functioning of the state veterinary service, also in terms of public health protection				
3) livestock production:				
WE_W24 describes breeds within animal species and explains the principles of animal husbandry				
WE_W25 describes the principles of selecting animals for mating, methods of reproduction and selection of animals				
WE_W26 describes the principles of animal nutrition (including species differences), arranges and analyses food rations				
WE_W27 describes and evaluates conditions that ensure animal welfare				
WE_W28 describes and interprets the principles of production economics				
WE_W29 describes the conditions for proper management and disposal of by-products and waste associated with animal production				
4) food hygiene:				
WE_W30 describes and interprets the principles of protecting consumer health through proper supervision of the production of foodstuffs of animal origin				
WE_W31 describes, interprets and evaluates conditions of hygiene and technology of production and food safety, and uses appropriate legal acts regulating veterinary supervision				
WE_W32 carries out ante- and post-mortem inspection of animals				
WE_W33 describes and implements the procedures related to HACCP(Hazard Analysis and Critical Control Points)				
In terms of skills acquired in the learning process a graduate:				
1) general professional skills:				
WE_U1 communicate effectively with clients, other veterinarians, and employees of inspection authorities and offices, state and local government				
WE_U2 demonstrate the ability to listen and respond in clear, appropriate language				
WE_U3 prepare clear case descriptions and maintain records, in accordance with applicable regulations, in a form that is understandable to the animal owner and readable by other veterinarians;				
WE_U4 demonstrate the ability to work in a multidisciplinary team				
WE_U5 correctly interpret the veterinarian's responsibilities to the animal and its owner, and to the society and natural environment				
WE_U6 evaluate economic and social conditions under which the veterinary profession is practiced				
WE_U7 Is aware of the need to maximise professional skills to enhance the quality of veterinary care, animal welfare and public health		+	+	
WE_U8 has the ability to organise and run a veterinary practice				
WE_U8A – is aware of his own and the employer's responsibility for knowledge of and compliance with labour law and occupational safety and health				
WE_U8B – calculate fees and issue invoices and is aware of the importance of correct financial and medical record keeping				
WE_U8C – use IT systems to effectively communicate, collect, process, transmit, and analyse information				+++
WE_U8D – act in accordance with applicable standards and ethical principles				
WE_U9 demonstrate an understanding of the need and necessity for continuing education for ongoing professional development	+	+	+	
WE_U10 adapt his job offer to the changing situation on the labour market				
WE_U11 is aware of his own limitations and is able to use the advice and assistance of specialised units or persons in solving difficult problems				
WE_U12 use Polish and Latin medical nomenclature				
WE_U13 is able to communicate in a modern foreign language and use foreign language source materials				
2) practical vocational skills:				
WE_U14 conduct a medical and veterinary interview in order to obtain accurate information about a single animal or group of animals and its or their habitat				
WE_U15 handle animals safely and humanely and instructs others to do so				
WE_U16 perform a complete clinical examination of the animal				
WE_U17 provide first aid to all animal species for hemorrhage, wounds, respiratory distress, eye and ear injuries, unconsciousness, cachexia, burns, tissue damage, internal injuries, and cardiac arrest				
WE_U18 evaluate and advises on an animal's proper nutritional status				
WE_U19 collect, secure, and knows how to transport samples and perform standard laboratory tests, and correctly analyses and interprets laboratory test results	+			
WE_U20 use diagnostic apparatus, including radiographic, ultrasound and other equipment, in accordance with their intended use and safety rules for animals and humans	+			
WE_U21 implement appropriate procedures when a notifiable disease is identified				
WE_U22 obtain and use information about authorised drugs				
WE_U23 prescribe and administer drugs and medical materials in accordance with current regulations, including their safe storage and disposal				
WE_U24 apply methods of safe sedation, general and local anesthesia, and pain assessment and relief				
WE_U25 select and apply appropriate treatment		+		
WE_U26 implement the principles of surgical aseptics and antisepsis and applies appropriate methods of sterilisation of equipment				
WE_U27 assess the need for euthanasia and informs the animal owner accordingly, and can perform the euthanasia in accordance with professional ethics and proper handling of the remains				
WE_U28 perform autopsy with description and take samples and secure them for transport				
WE_U29 perform ante- and post-mortem inspection and assesses the quality of animal products				
WE_U30 document and use the information collected related to the health and welfare and, in some cases, productivity of the herd				
WE_U31 develop and implement species-specific prevention programmes				
WE_U32 evaluate and implement recommendations to minimise the risk of contamination, cross-contamination, and accumulation of pathogens in veterinary facilities and the environment				
3. In terms of social competences acquired in the learning process a graduate :				
WE_K1 demonstrate responsibility for decisions made toward people and animals				
WE_K 2 observe ethical principles				
WE_K3 show tolerance for attitudes and behaviours resulting from different social and cultural conditions				
WE_K 4 has the ability to resolve conflicts and the flexibility to respond to social changes				
WE_K 5 critically evaluate own and others' actions and improve proposed solutions				
WE_K 6 has the habit of continuous improvement of knowledge and skills	+	+	+	+
WE_K 7 is aware of his own limitations				+
WE_K 8 put the patient's best interests first				
WE_K 9 cooperate with representatives of other professions in the field of public health				
WE_K 10 operate under conditions of uncertainty and stress	+			
WE_K 11 organise the work of the team				
WE_K 12 is aware of the necessity of involvement in professional and local government organisations				
WE_K 13 is aware of the consequences of decisions taken, especially those that interfere with the natural environment				
WE_K 14 knows the legal basis and principles of intellectual property protection				
WE_W-other knowledge				
WE_U-other skills				+