

Code of subject	M_WE_SEM3 TECH PR ZW ANG
Field of study	Veterinary medicine
Name of the training module including the Polish name	Technology in animal production Technologie w produkcji zwierzęcej
Language of instruction	English
Type of the training module	obligatory
Level of the training module	Master level
Form of studies	Full-time
Location in the programme (year)	II
Location in the programme (semester)	III
Number of ECTS credits with a division into contact/noncontact	2 (1,2/0,8)
Name and surname of the person in charge	Kinga Kropiwicz-Domańska
Unit offering the subject	Department of Animal Breeding and Agricultural Consulting
Aim of the module	Acquiring knowledge, skills and social competences in the field of production systems and organization of farms specializing in animal production.
Learning outcomes – the total number of learning outcomes may not exceed (4-8) for the module. The description of the intended learning outcomes that a student should achieve after the completion of the module should be provided. The outcomes for all forms of classes used should be presented.	Knowledge:
	K1 - describes and assesses the conditions ensuring animal welfare,
	K2 - describes and interprets the principles of production economics,
	K3 - describes the conditions for proper management and utilization of by-products and waste related to animal production;
	Skills:
	S1 - is aware of the need to maximize the use of professional skills in order to improve the quality of veterinary care, animal welfare and public health
	S2 - documents and uses collected information related to health and welfare, and in some cases also to herd productivity
	Social competences:
	C1 - can critically evaluate his own and other people's actions and improve the proposed solutions
	C2- has a habit of constantly expanding knowledge and improving skills
C3 - can cooperate with representatives of other professions in the field of public health protection	
Preliminary and additional requirements	

<p>Contents of the training module – a compact description</p>	<p>The subject concerns topics related to technology and systems of livestock breeding.</p> <p>The topics of the lectures include:</p> <ul style="list-style-type: none"> -issues related to the organization of individual stages of animal production on a farm depending on the species of farm animals and the adopted production system -basic issues concerning production technology: milk, meat and offal, eggs, wool and feathers. -principles of operation of specialized livestock farms and related legal regulations. -buildings, premises and livestock equipment used in the production of individual species of animals. <p>The topics of the classes include:</p> <ul style="list-style-type: none"> - presents and explains the organization of work on farms of various farm animals taking into account: the conditions of maintenance of individual technological groups, reproduction, basic care treatments -production planning on a commercial farm in the aspect of current economic condition and legal requirements
<p>Recommended and obligatory reading list</p>	<p>J. Casini . Modern Livestock and Animal Health F. Flanders, J. R. Gillespie. Modern Livestock & Poultry Production, Kindle Edition N. Beynon. Pigs: A Guide to Management J. Long. The Book of the Pig: Its Selection, Breeding, Feeding and Management R. Greer. Breeding Farm Animals: An Integrated Approach T. Shaw. Animal Breeding E. Sasimowski . Animal breeding and production S.S. Tomar. Textbook of animal breeding</p>
<p>The intended forms/activities/ teaching methods</p>	<p>discussion, lecture, laboratory and audit classes, project completion, written task, presentation</p>
<p>Methods of verification and documentation forms of the achieved learning outcomes</p>	<p>K1, K2, K3– speech evaluation, written test, evaluation of a design task S1, S2 – written work, evaluation of a design task, speech evaluation Sc1, Sc2, Sc3 – speech evaluation, presentation evaluation The subject ends with a written test. Admission to the final test only after passing the material (written task, 4 colloquia, projects) from the classes. A student from the tests can receive a grade consistent with the obtained points: grade 2,0 - <51% all points from the exam grade 3,0 - 51% -60% all points from the exam grade 3,5 - 61% -70% all points from the exam grade 4,0 - 71% -80% all points from the exam grade 4,5 - 81% -90% all points from the exam grade 5,0 - 91% -100% all points from the exam</p>

Balance of ECTS credits	CONTACT (hours/ECTS) lectures 15/0,5 classes 15/0,5 consultation 4/0,13 exam 2/0,07 TOTAL 36/1,2 NONCONTACT (hours/ECTS) preparation for the classes. 7/0,23 projects' completion 8/0,27 reading recommended literature 2/0,07 preparing for the exam 7/0,23 TOTAL 24/0,8
Number of contact hours	Direct participation in: (hours/ECTS) Lectures 15/0,5 Classes 15/0,5 Consultation 4/0,13 Exam 2/0,07 TOTAL 36/1,2
Relationship between subject learning outcomes and veterinary studies learning outcomes	K1 – B.W9 +++++ K2 - B.W20 +++ K3 - B.W22 +++ S1. - B.U20 ++ S2-- B.U20 ++ C1 - K4 ++ C2 - K6 ++ C3 - K9 +++
Impact of selected compounds to final grade	It is possible to improve the final grade by the student by preparing written work or multimedia presentation about technology of livestock production. The topic is determined by the person responsible for the subject in agreement with the student.