

Course title:	Trends in animal production
Course title in Polish:	Trendy w produkcji zwierzęcej
Course for discipline:	Animal science and fisheries

Semester:	7	Status of course:	faculty	Language:	english
Academic year:		Catalog number:			

Coordinator of course:	Dr hab. Monika Łukasiewicz-Mierzejewska, prof. SGGW	
Lecturer od course:	Members of staff of the Institute of Animal Sciences, External stakeholders	
Executing unit:	Department of Animal Breeding and Nutrition	
Ordering unit:	Doctoral School SGGW	
Assumptions, goals and description of the course:	<p>Assumptions</p> <p>The aim of the course will be to introduce the size of production of particular groups of animals under national and European conditions, as well as measures whose introduction would be associated with significant improvements in a given branch of livestock production. The entirety of the solutions presented in the course will, in the final aspect, boil down to collecting good practices and proposing one's own, which could be successfully included in this canon.</p> <p>Assumptions</p> <p>The aim of the course will be to introduce the production of specific groups of animal livestock under national and European conditions, as well as trends, the number of which is constantly increasing, which is related to changes in the given branch of animal production. The entirety of the trends presented in the course will, in the final aspect, come down to their self-assessment and reference to one of them as the one that the student will consider the most relevant (from his/her point of view).</p> <p>Description:</p> <p>The subject will be delivered in a number of thematic blocks on selected farm animal species (e.g. poultry, pigs, cattle). Topics will include basic issues related to:</p> <ul style="list-style-type: none">- the size of a given animal production sector (both in terms of Poland and Europe),- the conditions of keeping animals under the practised husbandry systems,- the factors determining the current status of a given animal production and the possibilities for its development. <p>As part of a broader view of a particular livestock rearing sector, the students will be introduced to trends that are already or will soon dictate the development of a particular animal production sector. Nowadays (in the 21st century), it is the emerging trends and the relevant consumer actions that create them that are the most important determinants of the actions of producers, especially those in the broadly understood livestock production. One of the most important elements of cooperation between academia and the production community is knowledge of each other's needs. If, within the framework of the course, students are introduced to new trends and developments in livestock production, the possibility of future cooperation with producers will increase. The course will address issues such as the problem of antibiotic resistance and ways to reduce it, the use of AI in animal production and the introduction of new solutions to improve animal welfare.</p>	
Didactic form, number of hours:	Lectures, number of hours 10	
Teaching methods:	Lecture, discussion, interpretation of source texts, consultation	
Limit of people in the group:		
Learning outcomes		
KNOWLEDGE - the graduate knows and understands:	SKILLS - the graduate is able to:	COMPETENCES - the graduate is ready to:
To the extent enabling to revise the existing paradigms in the field/discipline - the world achievements, gathering theoretical background as well as general and selected detailed issues	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	Critically evaluate the achievements in the field/discipline represented
Major general development trends in the field/discipline		Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect
		Support the ethos of scientific circles and conduct independent research
The method of verification of learning outcomes:	Project work in subgroups	
Form of documentation of achieved learning outcomes:	Pass mark for project work	
Elements and weights of the final grade:	100% - pass mark	
Place of the course:	Didactic classroom, laboratory	
Basic and supplementary literature		
Branch scientific journals: Poultry Sciences, Polish Journal of Food and Nutrition Sciences, Journal of the Science of Food and Agriculture, Journal of Dairy Science, Journal of Food Science, The Journal of Animal & Plant Sciences, International Dairy Journal, Meat Science, Animal Science Papers and Reports, Animals, Journal of Animal and Feed Sciences Animal Science, Animal Bioscience.		
Comments:		

Estimated number of hours of work of the doctoral student necessary to achieve the assumed learning outcomes:	16
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Learning outcomes reference to the second degree characteristics of the National Qualification Framework (level 8) covering doctoral competences:		
Symbol:	Learning outcomes:	8 level NQF
SD1_KW01	To the extent enabling to revise the existing paradigms in the field/discipline - the world achievements, gathering theoretical background as well as general and selected detailed issues	P8S_WG
SD1_KW02	Major general development trends in the field/discipline	P8S_WG
SD1_KU05	Carry out critical assessment of the scientific research findings and expert activities and their contribution to the knowledge development in the field/discipline	P8S_UW
SD1_KK01	Critically evaluate the achievements in the field/discipline represented	P8S_KK
SD1_KK03	Recognise knowledge in solving cognitive and practical problems characteristic for the area of research (field/discipline) and in an interdisciplinary aspect	P8S_KK
SD1_KK08	Support the ethos of scientific circles and conduct independent research	P8S_KR