Module of classes:
BASIC ISSUES OF ETHOLOGY

ECTS	**4**
Status	**complementary**
Form of final credit	**exam**
Prerequisites	**basic agricultural knowledge, basic knowledge in animal husbandry and animal science**

Field of study:
ANIMAL SCIENCE

Profile of study	**General-academic**
The code of the form of study and the level of study	**bachelor**
Semester of study	**winter or summer**
Language of study	**English**

The leading faculty, department and the lecturer of the module:

Name of the competent unit for the coordinator	**Faculty of Animal Sciences, Department of Genetics, Animal Breeding and Ethology**
Courese coordinator	**DSc. Jacek Nowicki, Associate Professor**

Learning outcomes of the module/subject

The code of the description component (symbol of the effect)	Description	Relation to (code)	
		field effect	discipline#
KNOWLEDGE – the student knows and/or understands:			
BIE_W1	the operation of the senses in animals and cognitive processes in different species	ZOO1_W01 ZOO1_W04 ZOO1_W10 ZOO1_W11	RZ
BIE_W2	different types of behaviour and behavioral priorities of various species.	ZOO1_W01 ZOO1_W04 ZOO1_W10 ZOO1_W11	RZ
BIE_W3	behavioural problems in animals and knows the solutions	ZOO1_W10	RZ
BIE_W4	the human-animal relations and their impact on the welfare of animals	ZOO1_W10 ZOO1_W11	RZ
SKILLS – the student can:			
BIE_U1	identify the activity and resting phases in animals and the behaviours belonging to each phase	ZOO1_U03 ZOO1_U09 ZOO1_U17	RZ
BIE_U2	identify the factors influencing the animal behaviour including social and maternal behaviour. Student is able to use behavioural tests	ZOO1_U03 ZOO1_U09 ZOO1_U17	RZ
SOCIAL COMPETENCE- the student is ready to:			
BIE_K1	identify abnormal behaviour and to take the proper solutions	ZOO1_K01 ZOO1_K06	RZ

BIE_K2	care for the animal welfare	ZOO1_K04 ZOO1_K06 ZOO1_K09	RZ

Teaching content:

Lectures		**30**	**hours**
Subjects of lectures	Methods of describing and measuring animal behaviour Experience and learning Cognition, behavioural priorities and emotions Organization of behaviour, main types of behavioural patterns Social and reproductive behaviour Early and parental behaviour Animals and humans - interactions Behavioural tests of maternal responsiveness Tests of adaptation abilities Preference tests of cognition abilities		
Realized learning outcomes	BIE_W1, BIE_W2, BIE_W3, BIE_W4		
Verification methods and criteria of effects evaluation	Exam - choice test. 50% of correct answers must be provided to pass the exam. The share of the lecture grade in the final grade is 50%		

Classes (auditorium exercises)		**10**	**hours**
Subjects of the classes	Social behaviour, social hierarchy, evaluation of social status The animal welfare in different housing systems – methods of evaluation		
Realized learning outcomes	BIE_U1, BIE_U2, BIE_K1, BIE_K2		
Verification methods and criteria of effects evaluation	Passing the excercises, choice test - 50% of correct answers must be provided to pass the excercises. The share of the excercises grade in the final grade is 50%		

Seminars		**0**	**hours**
Subjects of the seminars			
Realized learning outcomes			
Verification methods and criteria of effects evaluation			

Literature:

Basic	1. Domestic animal behaviour and welfare, D.M. Broom, A.F. Fraser, CAB International, 2007 2. The Welfare of pigs, edited by J.N. Marchant-Forde, Springer, 2009: 3. Barnett, J.L. and Hemsworth, P. H. 1990. The validity of physiological and behavioural measures of animal welfare. Appl. Anim. Behav. Sci. 25, 177-187.
Supplementary	The behaviour of domestic animals / edited by E.S.E. Hafez, Baulierre-Tindlall, London, 1975

Structure of learning outcomes:					
Discipline – animal husbandry and fishery (RZ)				4	ECTS*
Discipline				0	ECTS*
Structure of student's activities:					
classes carried out with direct participation of the teacher		52	hours	2,1	ECTS*
including:	lectures	30	hours		
	classes and seminars	10	hours		
	consultations	9	hours		
	participation in research	0	hours		
	mandatory practices and internships	0	hours		
	participation in the exam and credits	3	hours		
classes carried out with the use of e-learning		0	hours	0	ECTS*
student's own work		48	hours	1,9	ECTS*

) * - Reported to the nearest to 0,1 ECTS, where 1 ECTS = 25-30 hours of classes
) # discipline code: RZ - zootechnics and fishery, PB - biological sciences