


KAPITAŁ LUDZKI
NARODOWA STRATEGIA SPÓJNOŚCI

Projekt współfinansowany przez
Unię Europejską w ramach
Europejskiego Funduszu
Społecznego

UNIA EUROPEJSKA
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Course title		ECTS code	
Animal Behaviour		13.1.1028	
Name of unit administrating study			
Faculty of Biology			
Studies			
faculty	field of study	type	drugiego stopnia
Wydział Biologii	Biologia	form	stacjonarne
		specjalty	biologia środowiskowa, biologia molekularna i komórkowa, genetyka i biologia eksperymentalna
		specialization	wszystkie
Teaching staff			
dr hab. Katarzyna Wojczulanis-Jakubas			
Forms of classes, the realization and number of hours		ECTS credits	
Forms of classes		2	
Lecture		Estimated work time	
The realization of activities		Work with the teacher:	
classroom instruction, online classes		Lectures – 15 hours	
Number of hours		Consultations – 12 hours	
Lecture: 15 hours		Student own work:	
		mini-project – 23 hours	
		Total: 50 hours	
The academic cycle			
2022/2023 winter semester			
Type of course		Language of instruction	
an elective course		english	
Teaching methods		Form and method of assessment and basic criteria for eveluation or examination requirements	
Lecture with presentation and report on literature review.		Final evaluation	
		Graded credit	
		Assessment methods	
		- final test and report of the mini-project	
		- assignment work – completing a specific practical assignment	
		The basic criteria for evaluation	
		Report consist of a test based on the material presented during the lecture and results of the mini-project. Report evaluated following the rules establised for UG. Presence during the lecture is compulsory (absence on 4 hours is acceptable). Gaps in knowledge being the consequence of the absense are filled via self-learning. Final report performed at the last day of the classess.	
Method of verifying required learning outcomes			

Effects	Lecture with presentation and report on literature review.
	Knowledge
B2_W01	Active attendance during consultation and lecture, report on review literature.
B2_W04	Final evaluating test.
B2_W08	Final evaluating test, report on review literature.
	Skills
B2_U06	Final evaluating test, report on review literature.
B2_U07	Final evaluating test, report on review literature.
B2_U12	Final evaluating test, report on review literature, report on review literature.
	Competences
B2_K01	Active attendance during consultation and lecture, report on review literature.
B2_K05	Active attendance during consultation and lecture, report on review literature.

Required courses and introductory requirements**A. Formal requirements**

There is no specific formal requirements.

B. Prerequisites

English, at least B2 level (lecture, literature and final report are in English). Good understanding of basic statistics.

Aims of education

- gaining an updated knowledge on animal behaviour
- understanding mechanisms driving various animal behaviours
- familiarizing with research methodology in animal behaviour
- shaping an awareness of significance of the knowledge on animal behaviour

Course contents

Animal behaviours - description and quantification, antropomorphism.
Proximate and ultimate factors influencing animal behaviour.
Courtship behaviour.
Animal cognition.
Behavioural contagion and empathy in animals.
Behavioural coordination.
Inter-individual variation in behaviour and animal personality

Bibliography of literature**A. Required literature :**

1. Scientific papers and internet sources pointed out in the course of the lectures.

B. Additional literature

Wojczulanis-Jakubas K, Plenzler J, Jakubas D (2019) Indications of contagious behaviours in the southern elephant seal: an observational study. Behaviour 156:59–77. doi: 10.1163/1568539X-00003530

Wojczulanis-Jakubas K, Araya-Salas M, Jakubas D (2018) Seabird parents provision their chick in a coordinated manner. PLoS One 13:e0189969
Araya-Salas M, Wojczulanis-Jakubas K, Phillips EM, et al (2017) To overlap or not to overlap: context-dependent coordinated singing in lekking long-billed hermits. Anim Behav 124:. doi: 10.1016/j.anbehav.2016.12.003

Wojczulanis-Jakubas K, Kulpińska M, Minias P (2015) Who bullies whom at a garden feeder? Interspecific agonistic interactions of small passerines during a cold winter. J Ethol 33:159–163. doi: 10.1007/s10164-015-0424-x

Araya-Salas M, Gonzalez-Gomez P, Wojczulanis-Jakubas K, et al (2018) Spatial memory is as important as weapon and body size for territorial ownership in a lekking hummingbird. Sci Rep 8:. doi: 10.1038/s41598-018-20441-x

The learning outcomes (for the field of study and specialization)

Effects for Biology:
B2_W01, B2_W04, B2_W08,
B2_U06, B2_U07, B2_U12
B2_K01, B2_K05

Knowledge

B2_W01: Student understands necessity of rigorous, research-based interpretation of animal behaviour both in scientific work and other related works
B2_W04: Student exhibit a deep understanding of variety and mechanisms of animal behaviour
B2_W08: Student knows modern technics and jargon in reasarch areas related to animal behaviour

	Skills
	B2_U06: Student exhibits knowledge-based approach in interpreting and concluding data about animal behaviour. B2_U07: Student can verify various sources of knowledge on animal behaviour and use them appropriately. B2_U12 Student is familiar with a jargon used in animal behaviour reserach
	Social competence B2_K01: Student is independent in searching reliable information and understands the need of continous self-development. B2_K05: Student uses reliable, scietifically verified sources of information to gain a knowledge on any topic.
Contact	
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