Course name:
Animal ecology and conservation

ECTS	3
Course status	optional
Course final assessment /evaluation of outcomes	graded credit
Prerequisite	Forest zoology

Main field of study:
Forestry

Educational profile	General academic
Code of studies and education level	MSc
Semester of studies	winter
Language of instruction	English

Course offered by:

Name of faculty offering the course	Faculty of Forestry
Name of department offering the course	Department of Forest Biodiversity
Course coordinator	prof. dr hab. Michał Ciach

Learning outcomes:

Symbol of outcome	Description of the learning outcome	Reference to main field of study outcomes	Area symbol*
KNOWLEDGE – student knows and understands			
LES_AEC_W01	the rules of the functioning of animal populations and their relationship with the environment and the impact of human activities on the natural environment.	LES2_W03 LES2_W08 LES2_W09 LES2_W19	RL
SKILLS – student is able to			
LES_AEC_U01	use the English language in terms of issues concerning the environment and animal conservation.	LES2_U01 LES2_U04 LES2_U10 LES2_U12 LES2_U13 LES2_U14	RL
SOCIAL COMPETENCIES – student is ready to:			
LES_AEC_K01	shape the right attitudes towards animals among colleagues and loved ones.	LES2_K01 LES2_K03	RL

Teaching contents

Lectures	15 hours
Topics	Current trends in animal ecology. Research methods in animal ecology. Animal ecology - population. Animal ecology - inter-specific interaction. Animal ecology - habitat relations. Animal conservation - protection of species and habitat. Animal conservation - impact of human activity and minimalisation of human-wildlife conflicts.
Accomplished learning outcomes	LES_AEC_W01
Means of verification, rules and criteria of assessment	test (50% participation in the final assessment)

Field exercices: hours		15
Topics	Field zoology - survey of animals and their habitats. Field zoology - evaluation of human impact on animals and methods of minimalization of human-wildlife conflicts.	
Accomplished learning outcomes		LES_AEC_U01; LES_AEC_K01
Means of verification, rules and criteria of assessment		test (50% participation in the final assessment)

References:

Basic	1. Danchin E., Giraldeau L.-A., Cezilly F. C. 2008. Behavioural Ecology: An Evolutionary Perspective on Behaviour. Oxford University Press. 2. Davies N. B., Krebs J. R., West S. A. 2012. An Introduction to Behavioural Ecology. Wiley-Blackwell. 3. Krebs J. R., Davies N. B. 1997. Behavioural Ecology: An Evolutionary Approach, 4th Edition. Wiley-Blackwell.
Supplementary	1. Primack R. B. 2014. Essentials of Conservation Biology. Sunderland, Mass: Sinauer Associates. 2. Sodhi N. S., Ehrlich P. R. 2010. Conservation biology for all. Oxford University Press.

Structure of learning outcomes

Area of academic study: R – Agricultural sciences, L – forestry	ECTS **	3

Structure of student activity

Contact hours		37	hrs.	1,5	ECTS**
Including:	lectures	15	hrs.		
	classes and seminars	15	hrs.		
	consultations	4	hrs.		
	participation in research	…	hrs.		
	obligatory traineeships	…	hrs.		
	participation in examination	3	hrs.		
e-learning		…	hrs.	….	ECTS**
student own work		38	hrs.	1,5	ECTS**

*Areas of academic study in the fields of: H- humanities; S - social studies; P – biological sciences; T – technological sciences; M- medical, sport and health sciences; R – Agricultural, forestry and veterinary sciences; A – the arts
** stated with an accuracy to 0.1 ECTS, where 1 ECTS = 25 - 30 hours of classes