

Course title:	Animals and people - conflicts and their mitigation
Course title in Polish:	Zwierzęta i ludzie - konflikty i ich łagodzenie
Course for discipline:	forest sciences, biological sciences

Semester:	8	Status of course:	faculty	Language:	english
Academic year:		Catalog number:			

Coordinator of course:	dr hab. Dagny Krauze-Gryz, prof. SGGW
Lecturer od course:	dr hab. Dagny Krauze-Gryz, prof. SGGW, dr hab. Karolina Jasińska, dr hab. Patryk Rowiński, prof. SGGW, dr Bartłomiej Woźniak, dr inż. Piotr Kowal, dr hab. Elżbieta Jancewicz
Executing unit:	Samodzielny Zakład Zoologii Leśnej i Łowiectwa (Department of Forest Zoology and Wildlife Management)
Ordering unit:	Doctoral School SGGW

Assumptions, goals and description of the course:	The course aims to present conflict situations between humans and wild animals and the possibilities of their prevention or ways to mitigate them. The growing human population, the development of cities, and mass tourism lead to more frequent interactions between people and wild animals. On the other hand, the increase in the population of many species (e.g., elk, wolf, seals, cormorants) leads to economic conflicts. These phenomena, developing at the intersection of sociology, economics, ethics, and nature conservation, polarize society, often resulting from a lack of professional knowledge. During the course, the sources of conflicts, the mechanisms leading to them, and the search for solutions to reduce them will be reviewed and discussed. During the classes, human-animal conflicts with various causes and effects will be presented (e.g., collisions with animals, damages caused by species under strict protection, management of hunting species populations in the face of the threat of epizootics, management of game species populations in the face of the danger of epizootics, management of animal populations in the city, actions concerning invasive species). Possible ways to counteract/mitigate conflicts will be sought based on the available source materials. The classes will be in the form of a case study. The topics of the following class meetings will concern current problems.
Didactic form, number of hours:	lecture 10 h
Teaching methods:	problem lecture, discussion
Limit of people in the group:	15

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 pradisgms 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:	written essay	
Form of documentation of achieved learning outcomes:	attendance list, documentation of activity during the class (participation in the discussion), written essay	
Elements and weights of the final grade:	written essay (50%), activity during the class (50%)	
Place of the course:		

Basic and supplementary literature	
<p>Bissonette, J.A. and Rosa, S. (2012), An evaluation of a mitigation strategy for deer-vehicle collisions. <i>Wildlife Biology</i>, 18: 414-423. <a href="https://doi.org/10.2981/11-122">https://doi.org/10.2981/11-122</a></p> <p>Davidson, A., Malkinson, D., Shanas, U., 2022. Wild boar foraging and risk perception—variation among urban, natural, and agricultural areas, <i>Journal of Mammalogy</i>, Volume 103: 945–955, <a href="https://doi.org/10.1093/jmammal/gyac014">https://doi.org/10.1093/jmammal/gyac014</a></p> <p>Fedorca, A., Fedorca, M., Ionescu, O., Jurj, R., Ionescu, G., &amp; Popa, M. (2021). Sustainable Landscape Planning to Mitigate Wildlife–Vehicle Collisions. <i>Land</i>, 10(7), 737. <a href="https://doi.org/10.3390/land10070737">https://doi.org/10.3390/land10070737</a></p> <p>Gunson, K. and Teixeira, F.Z. (2015). Road–Wildlife Mitigation Planning can be Improved by Identifying the Patterns and Processes Associated with Wildlife–Vehicle Collisions. In <i>Handbook of Road Ecology</i> (eds R. van der Ree, D.J. Smith and C. Grilo). <a href="https://doi.org/10.1002/9781118568170.ch13">https://doi.org/10.1002/9781118568170.ch13</a></p> <p>KANSKY, R., KIDD, M. and KNIGHT, A.T. (2014), Meta-Analysis of Attitudes toward Damage-Causing Mammalian Wildlife. <i>Conservation Biology</i>, 28: 924-938. <a href="https://doi.org/10.1111/cobi.12275">https://doi.org/10.1111/cobi.12275</a></p> <p>Treves, A., Jurewicz, R.L., Naughton-Treves, L. et al. (2009) The price of tolerance: wolf damage payments after recovery. <i>Biodivers Conserv</i> 18, 4003–4021. <a href="https://doi.org/10.1007/s10531-009-9695-2">https://doi.org/10.1007/s10531-009-9695-2</a></p>	
Comments:	

Estimated number of hours of work of the doctoral student necessary to achieve the assumed learning outcomes:	20
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Leraning 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 pradisgms 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