

Subject card

Subject name and code	Protected insects, PG_00143966						
Field of study	Natural Resources Conservation						
Date of commencement of studies	October 2024	Academic year of realisation of subject				2026/2027	
Education level	undergraduate studies	Subject group				Optional subject group Subject group related to scientific research in the field of study	
Mode of study	full-time studies	Mode of delivery				at the university	
Year of study	3	Language of instruction				Polish	
Semester of study	5	ECTS credits				1.0	
Learning profile	academic	Assessment form					
Conducting unit	Pracownia Zoologii Systematycznej -> Katedra Zoologii Bezkręgowców i Parazytologii -> Faculty of Biology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Wojciech Gilka				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	15		2.0		8.0	25
Subject objectives	Knowledge of the occurrence and biology of selected protected insect species in Poland and worldwide. Reasons, objectives and directions of protection domestic entomofauna. Knowledge of the basics of Polish and international species protection law. Familiarisation with the ways of counteracting Violation of protection laws in Poland and abroad.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[OZPL3_U08] The graduate is able to use the scientific language typical of the biological sciences in discussions with specialists	use specialist conservation terminology and nomenclature relating to zoology, in particular insects			[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report		
	[OZPL3_W13] The graduate has an advanced understanding of the fundamental rules, methods, and techniques of environmental research and their potential applications in nature conservation	describes the basic methods, techniques and tools for the rational use, shaping and restoration of natural resources in the field of entomofauna			[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report		
	[OZPL3_K01] The graduate is ready to recognise the limitations in his/her own knowledge and understands the need for continuous learning and development	identifies his/her level of knowledge and skills in the field of entomofauna conservation and the need to continually learn, develop and update his/her knowledge			[SK1] oral statement/conversation/discussion [SK8] observation of student's independent or team work		
	[OZPL3_W03] The graduate understands the basic physiological processes and their relationship to the organism's adaptation to changing environmental conditions	characterise the relationships and dependencies between the occurrence of different species of insects and environmental conditions			[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report		

Subject contents	Basics of Polish and international insect species protection law. Content of relevant legal acts. Systematic review of insects protected in Poland - geographical distribution, abundance and frequency of occurrence, biology and importance of selected species. Scope of insect protection - total and partial protection. Geographical areas and habitats protected. Native entomofauna, introduced species - conservation objectives. Domestically and internationally endangered and extremely threatened species. Examples of deliberate and unintentional violations of conservation laws. Ways to counteract violations of species conservation law in Poland and abroad. Importance, effectiveness and prospects for conservation measures.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Activity in class	51.0%	20.0%
	a multimedia presentation on a chosen theme	51.0%	80.0%
Recommended reading	Basic literature	Bogdanowicz W., Chudzicka E., Pilipuk I., Skibińska E. [red.]. 2004, 2007, 2008. Fauna Polski - charakterystyka i wykaz gatunków. T. I-III. Muzeum i Instytut Zoologii PAN, Warszawa. CITES, Convention on International Trade in Endangered Species of Wild Fauna and Flora. Statut Konwencji, Prawo Unii Europejskiej, Prawo polskie, wykaz gatunków CITES. http://www.cites.info.pl/ Polska Czerwona Księga Zwierząt. Bezkręgowce. 2004-2009. Instytut Ochrony Przyrody PAN, Kraków. http://www.iop.krakow.pl/pckz/ Rozporządzenie Ministra Środowiska z dnia 16 grudnia 2016 r. w sprawie gatunków dziko występujących zwierząt objętych ochroną. Dz.U. z 2016 r. poz. 2183.	
	Supplementary literature	Giłka W. 2011. Ochołkowate - Chironomidae, plemię: Tanytarsini, postaci dorosłe, samce. Klucze do oznaczania owadów Polski. [Non-biting midges - Chironomidae, tribe Tanytarsini, adult males. Keys for the Identification of Polish Insects]. Nr 177 serii kluczy. Część XXVIII, Muchówki - Diptera, zeszyt 14b. Polskie Towarzystwo Entomologiczne. Biologica Silesiae, Wrocław, 95 str. Sikora A., Zieliński S., Giłka W. 2015. Rozpucz lepiężnikowiec Liparus glabrirostris (Coleoptera: Curculionidae) na północy Polski - występowanie i propozycje ochrony. Chrońmy Przyrodę Ojczyzną 71: 388-395	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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