University of Gdańsk

Subject card

Subject name and code	Protected insects, PG_00146019						
Field of study	Biology						
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 Giłka					
	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
[BIOLL3_U06] The graduate can read with comprehension simple scientific biological texts in Polish and simple texts in English	synthesises data from a variety of sources and draws draws appropriate conclusions	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report
[BIOLL3_U07] The graduate should be able to independently search for and use available sources of biological information, including electronic sources	be able to search for and use available sources (including electronic sources) of electronic sources) of biological information on protected insects protected insects	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU8] observation of student's independent or team work
[BIOLL3_W15] The graduate knows and understands the rules, methods and techniques of field research in the natural environment and the possibilities of their use in nature conservation	presents the basic principles, methods and techniques of field surveys in the environment and how they can be used in insect conservation	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[BIOLL3_W07] The graduate is conversant with the types of natural environments (habitats) from a structural and functional perspective, as well as the selected species of flora and fauna of coastal areas and the methods and forms of nature conservation	Knows the types of habitats for protected insects and how to protect them and methods and ways of protecting them	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[BIOLL3_W03] The graduate knows the structure and functional relationships at the cellular, tissue, organ and organismal levels	knows the structure and functional relationships of insects, including protected ones, taking into account the functional relationships at organismal and organismal level	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[BIOLL3_W06] The graduate will know the characteristics, systematics and understand the evolution of selected groups of organisms including molecular basis and basic concepts and mechanisms of evolution	knows the characteristics, systematics and evolution of selected groups of insects	[SW1] oral statement/ conversation/discussion [SW2] presentation/project/paper/ report
[BIOLL3_K02] The graduate is prepared to critically self-assess their own competences and to update and improve their knowledge and skills	is prepared to critically self-assess his/her own competence and to update knowledge and improve their skills in the field of entomofauna	[SK1] oral statement/conversation/ discussion [SK8] observation of student's independent or team work

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 protection laws 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
take part in discussions	51.0%	20.0%
multimedia presentation prepared by the student	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, wykaz gatunków CITES. http://www.cites.info.pl/

Polska Czerwona Księga Zwierząt. Bezkręgowce. 2004-2009. Instytut Ochrony Przyrody PAN, Kraków.

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. Ochotkowate - 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 Ojczystą 71: 388-395.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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