University of Gdańsk

Subject card

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|---|---|---|---|
| Subject name and code | Fauna of Poland, PG_00154432 | | |
| Field of study | Biology | | |
| Date of commencement of studies | October 2025 | Academic year of realisation of subject | 2027/2028 |
| Education level | Bachelor's studies | Subject group | Obligatory subject group in the field of study<br>Optional subject group<br>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 | 2.0 |
| Learning profile | academic | Assessment form | exam |
| Conducting unit | Laboratory of Vertebrate Ecology and Ethology -> Department of Vertebrate Ecology and Zoology -> Faculty of Biology -> Rector | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | prof. dr hab. Dariusz Jakubas | |
| | Teachers | | |

**Lesson types**

| Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|
| Number of study hours | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 |

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 | 30 | 4.0 | 16.0 | 50 |

**Subject objectives**

- Knowledge of the systematics of native animal species.
- Understanding the threats and forms of protection concerning native invertebrates and vertebrates.
- Knowledge of the occurrence status, habitat preferences, biology, and economic importance of selected native animal species

## Learning outcomes

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [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 | Overview of the major groups of animals (invertebrates and vertebrates) in Poland in the context of their systematic position, distribution, and environmental requirements. Factors influencing species diversity of the fauna – natural processes | [SW4] test/exam - oral or written<br>[SW3] text preparation/written work |
| [BIOLL3_K01] The graduate is prepared to evaluate their own knowledge, understand the need for continuous learning and development, and is open to new ideas | The ability to independently search for information. Awareness of ongoing changes in the systematics and taxonomy of chordates, and the necessity of independently updating one's knowledge in this field. | [SK3] text preparation/written work |
| [BIOLL3_W05] The graduate knows the rules and describe the mechanisms of life at the population, biocenosis and ecosystem levels and the temporal and spatial determinants of biodiversity | Overview of the major groups of animals (invertebrates and vertebrates) in Poland in the context of their systematic position, distribution, and environmental requirements. Factors influencing species diversity of the fauna – natural processes | [SW4] test/exam - oral or written<br>[SW3] text preparation/written work |
| [BIOLL3_U13] The graduate is able to present their own ideas and use adequate argumentation in the context of selected theoretical and practical perspectives | The ability to formulate judgments based on literature-derived data. | [SU3] text preparation/written work |
| [BIOLL3_U12] The graduates will be able to use Polish and foreign languages specific to biology in a way that is understandable and accessible to both specialists and non-specialists | The ability to formulate judgments based on literature-derived data. | [SU3] text preparation/written work |
| [BIOLL3_U08] The graduate is able to learn independently, in a focused manner | The ability to independently search for information | [SU3] text preparation/written 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 | Threats to fauna of Poland – groups and species most vulnerable to extinction, and threats resulting from anthropogenic pressure. Forms of protection of native fauna and their effectiveness. | [SW4] test/exam - oral or written<br>[SW3] text preparation/written work |

## Subject contents

Overview of the major animal groups (invertebrates and vertebrates) in Poland in the context of their systematic position, distribution, and environmental requirements.

Factors influencing species diversity of the fauna – the natural process of species extinction, synanthropization, restitution, reintroduction, and biological invasions.

Threats to fauna of Poland – groups and species most vulnerable to extinction, and threats resulting from anthropogenic pressure.

Forms of protection of native fauna and their effectiveness.

The economic importance of selected species.

## Prerequisites and co-requisites

basic knowledge in the field of vertebrate and invertebrate zoology

## Assessment methods and criteria

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| assessment test | 51.0% | 50.0% |
| essay | 51.0% | 50.0% |

| | | |
|---|---|---|
| Recommended reading | Basic literature | Berger L. 2000. Płazy i gady Polski. Klucz do oznaczania. PWN, Warszawa-Poznań.<br>Bogdanowicz W., Chudzicka E., Pilipiuk I., Skibińska E. [red.] 2004, 2007, 2008, 2014. Fauna Polski charakterystyka i wykaz gatunków. T I-IV. Muzeum i Instytut Zoologii PAN, Warszawa.<br>Brylińska M. (red.), 2000. Ryby słodkowodne Polski. PWN, Warszawa.<br>Głowaciński Z. (red.). 2002. Czerwona lista zwierząt ginących i zagrożonych w Polsce. IOP PAN<br>Polska czerwona księga zwierząt. Bezkręgowce: http:// www.iop.krakow.pl/pckz/<br><br>Tomiałojć L., Stawarczyk T. 2003. Awifauna Polski. Rozmieszczenie, liczebność i zmiany. PTPP pro Natura, Wrocław.<br>Pucek Z. (red.) 1984. Klucz do oznaczania ssaków Polski. PWN, Warszawa.<br><br>Current legal acts:<br><br>-Rozporządzenie Ministra Środowiska w sprawie ochrony gatunkowej zwierząt<br><br>-Rozporządzenie Ministra Środowiska w sprawie listy roślin i zwierząt gatunków obcych, które w przypadku uwolnienia do środowiska przyrodniczego mogą zagrozić gatunkom rodzimym lub siedliskom przyrodniczym |
| | Supplementary literature | Arnold E.N., Burton J.A., Ovenden D.W., 1993. Collins Field Guide. Reptiles and Amphibians of Britain and Europe. Collins pocket guide. Harper Collins Publishers<br>Czarnecki (red.) 1982. Ptaki Europy. Przewodnik terenowy. PWN, Warszawa.<br>Gąsowska M. 1962. Klucze do oznaczania kręgowców Polski, cz. I. Krągłouste Cyclostomi, Ryby Pisces. PWN, Warszawa, Kraków.<br>Jonsson L. 1998. Ptaki Europy i obszaru śródziemnomorskiego. Muza SA, Warszawa<br>Juszczyk W. 1987. Płazy i gady krajowe. cz. I-III. PWN, Warszawa.<br>Macdonald D., Barett P., 1995. Collins Field Guide. Mammals of Fish of Britain and Europe. Collins pocket guide. Harper Collins Publishers<br>Miller P.J., Loates M.J., 1997. Collins Field Guide. Fish of Britain and Europe. Harper Collins Publishers<br><br>Prószyński J., Staręga W. 1971. Pająki. Katalog Fauny Polski. PWN Warszawa<br><br>Razowski J. (red.). 1990-1997. Wykaz zwierząt Polski. T. I-V. PAN Wrocław, Warszawa, Kraków<br><br>Sandner H. Owady. 1990. PWN Warszawa<br><br>Sokołowski J. 1972. Ptaki Ziem Polskich. PWN, Warszawa. |
| | eResources addresses | |
| Example issues/ example questions/ tasks being completed | groups of birds endangered with extinction in Poland<br><br>factors influencing the biodiversity of Poland’s fauna<br><br>ecological groups of fish | |
| Work placement | Not applicable | |

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