| **Course title** | Functional anatomy of the vertebrates | | |
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| **Course code** | **Semester** | **ECTS** | **Lectures/ classes** |
| 13.1.1454 | summer | 2 | Lectures: 15 hours |
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| **Name of the lecturer and contact** | dr hab. Magdalena Remisiewicz; magdalena.remisiewicz@ug.edu.pl | | |
| **Prerequisites** | none | | |
| **Course description** | Understanding of the relationship between the structure and the function of systems and organs in vertebrates in the context of their adaptations to environment.<br>Anatomic adaptations of locomotory apparatus in vertebrates to their environment and life mode. Homology of anatomical elements of motoric apparatus and adaptation of their structure to the function in each. The functional anatomy of support and locomotion: the integument, the axial skeleton, the appendicular skeleton. Homology of anatomical elements of the locomotory apparatus and relation between their structure and function in each division of vertebrates. Oral apparatus and digestive system in vertebrates and their functional adaptation to their feeding habits. Relationship between function and anatomy of the respiratory system with the environment and mode of life in vertebrates, Structure and functional adaptations of the excretory and circulatory systems to the environment and mode of life in vertebrates of different divisions. | | |
| **Learning outcomes** | Knowledge:<br>- describes the structure and functional relationships at the cellular, tissue, organ and organic levels,<br>- understands the course of basic physiological processes and their relationship with the body's adaptation to changing environmental conditions<br>Skills:<br>-can use technical biology terms in English Polish and a foreign language in a way that is comprehensible and accessible for specialists, as well as people outside the group of specialists | | |