

Biology

Short description of subject	<p>Biology course covers 1 semester and 30 didactic hours. Lectures (15 h) are in weekly intervals during half of semester.</p> <p>Practical classes (15 h) are obligatory and are divided into theoretical and practical parts.</p> <p>Students gain knowledge about diagnostic characters, biology, classification and phylogenetic evolution of animal organisms as well as medicinal and poisonous plants.</p> <p>Detailed rules of the classes and work safety will be demonstrated during the first class.</p> <p>Detailed description of topics are available in Syllabus.</p>
Necessary requirements for practicals	Medical apron is required for practical classes. Students should be prepared for coming class
Location	<p>Lectures are in Lecture hall A – Collegium Veterinarium</p> <p>Classes are in classroom no. 401 – Collegium Veterinarium</p>
Person responsible and Dept	<p>Collegium Veterinarium, room no. 429</p> <p>krzysztof.puk@up.lublin.pl</p> <p>Department of Fish Diseases and Biology, Faculty of Veterinary Medicine</p>
Schedule	<p>Lectures:</p> <ol style="list-style-type: none"> 1. Plants: recognition of medicinal and poisonous plants 2. Protists: groups and species important in veterinary and human medicine 3. Sponges, cnidarians, flatworms, trematodes, tapeworms, rotifers, acanthocephalans, mollusks, annelids, nematodes - diagnostic characters, biology, classification 4. Arthropods - diagnostic characters, biology, classification 5. Echinoderms, chordates, vertebrates cartilaginous and ray – finned fishes - diagnostic characters, biology, classification 6. Amphibians and reptiles - diagnostic characters, biology, classification 7. Birds - diagnostic characters, biology, classification 8. Mammals - diagnostic characters, biology, classification <p>Classes:</p> <ol style="list-style-type: none"> 1. Exploring protistan diversity 2. Introduction to animal diversity 3. Animal digestive systems 4. Animal excretory systems 5. Animal respiratory systems 6. Animal circulatory systems 7. Animal skeletal systems 8. Written test

Didactic materials	Pdf files with lecture materials Books: Biology: Neil A. Campbell, Jane B. Reece, Lisa A. Urry, Michael L. Cain, Steven A. Wasserman, Peter V. Minorsky, Robert B. Jackson Medicinal Plants: Biodiversity and Drugs: M. K. Rai, Geoffrey A. Cordell, Jose L. Martinez, Mariela Marinoff, Luca Rastrelli