



## COURSE DATASHEET

<b>Semester:</b>	2016/17/1
<b>Course:</b>	Zootaxonomy
<b>Code:</b>	VEMKLIK212A
<b>Responsible department:</b>	Department of Limnology
<b>Department code:</b>	MKLI
<b>Responsible instructor:</b>	dr. András Liker

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### Course objectives:

The aim of the course is to provide basic knowledge in the concepts and methods of animal taxonomy. We will review important taxa in major animal phyla and their characteristic species from the Hungarian fauna.

### Course content:

1. Methods of animal systematics and taxonomy, taxonomical categories and the zoological nomenclature. The main phylogenetic relationships of animal phyla. 2. Sponges, cnidarians and ctenophores. 3. Platyhelminthes and nemertean. 4. Nematodes, horsehair worms, rotifers. 5. Molluscs. 6. Annelid worms, tardigrades, onychophorans. 7. Arthropodes I: myriapodes, chelicerates. 8. Arthropodes II: crustaceans. 9. Arthropodes III: Insects 1. 10. Arthropodes VI: Insects 2. 11. Brachiopodes, bryozoans. Echinoderms, hemichordates, cephalochordates. 12. Vertebrates I: fish. 13. Vertebrates II: amphibians and reptiles. 14. Vertebrates III: birds. 15. Vertebrates VI: mammals.

### Requirements, evaluation and grading:

During the exam students have 20-25 minutes to explain their exam topics. Evaluation: Mark 1 (unacceptable): the student is unable to provide a brief outline of the topic and unfamiliar with the definitions of basic ideas. Mark 2: the student is able to understand the basic ideas of the course. Mark 3: the student is able to understand the basic ideas of the course, and can discuss the basic logical structure of his/her exam topic with some help from the teacher. Mark 4: the student is able to discuss logically all important knowledge of his/her exam topic, but unfamiliar with the relevant literature. Mark 5 (excellent): the student is able to discuss logically and in detail all important knowledge of his/her exam topic, and familiar with the relevant literature.

### Required and recommended readings:

Hickman, C.P, Roberts, L.S. & I'Anson, H. 2001. Integrated principles of zoology. McGraw & Hill, New York. Ruppert, E.E. & Barnes, R.D. 1996. Invertebrate zoology. Brooks Cole. Papp L. (szerk.) 1996. Zootaxonomía. Scientia K., Budapest. Varga, Z. 1996. Állatismeret, 2. kiadás. Nemzeti Tankönyvkiadó, Budapest.