

Study Program: Biology			
Type and level of studies: Bachelor studies			
Course name: Morphology and systematics invertebrates 1			
Lecturer: Živić V. Nebojša			
Status: Compulsory			
ECTS: 5			
Attendance prerequisites: Cellular biology			
Course aims Introduction to the basic principles of classification, types of organisation, phylogenetic relationships and the evolution of animals.			
Course outcome Determining the basic principles of invertebrate classification. Acquiring knowledge about types of organisation, phylogenetic relations and evolution courses and tendencies. Establishing a basis for studying other biological disciplines.			
Course content <i>Theoretical part:</i> The subject study of zoology and its course of development. An overview of basic zoological disciplines. Systematics and taxonomy. The history of zoological systematics. Basic principles of taxonomy. An overview of the animal zoological system. Sub-kingdoms and types of invertebrates. Basic characteristics of the aforementioned types; structural and physiological characteristics, life cycles, distribution, ecology and phylogeny. An overview of the major classes, orders and their representatives. The subregnum and types of Protozoa. Subregnum and types of Metazoa-Parazoa, phyla: Porifera and Placozoa. Subregnum and Metazoa-Eumetazoa, phyla: Cnidaria, Ctenophora, Platyhelminthes, Mesozoa, Nemertina, Gastrotricha, Rotatoria, Kinorhyncha, Loricifera, Cyclophora, Entoprocta, Nematoda, Nematomorpha, Acanthocephala, Mollusca. <i>Practical part: exercises, other forms of teaching, research work</i> A practical insight into the material discussed during lectures using both native and permanent microscopic samples, as well as by means of dissection and identification of some representatives of different groups of animals.			
Literature 1. Брајковић М., (2002) Зоологија инвертебрата I, Завод за уџбенике и наставна средства, Београд, 2. Крунић, М.(1982) Зоологија инвертебрата I , Завод за уџбенике и наставна средства, Београд. 3. Радовић, И., Петров, Б.(1999) Разноврсност живота, Биолошки факултет Универзитета у Београду. И сва студентима доступна литература из ове области у писаном или интернет облику. Број часова активне наставе Остали			
Number of active classes			Other classes
Lectures: 2	Practical classes: 2	Other forms of teaching:	
			Students' research work
Teaching methods: Lectures, consulting, term tests, tests, homework assignments.			
Assessment (maximum 100 points)			
Course Assignments	points	Final exam	
Term tests during practical classes	15-30	Oral exam	
Tests during lectures	15-40		
Assessing knowledge via written/oral exam, project presentation, seminars, workbook, fieldwork			