

Study Programme : Biology			
Degree level: Bachelor degree			
Course Title: Morphology and systematics of invertebrates			
Professor: dr Snežana Radenković, dr Ivo Karaman			
Required/Elective Course: Required			
Number of ECTS: 9			
Prerequisites:			
Course Objective: Introduction to morpho-anatomy and systematics of the invertebrates, with understanding of the structural organization and functional adaptations of representatives of higher and lower invertebrates.			
Course Outcome: Achieving knowledge in taxonomic and phylogenetic relationships among different invertebrates, understanding of life histories, ecological relationships and importance of invertebrates in ecosystems, as basic course for further subjects on higher level of study.			
Course Content:			
<i>Theoretical part</i> The aim of this course is to make students familiar with morpho-anatomy and systematics of the invertebrate animals, in which it is expected that they understand the structural organization (internal and external morphology) and functional adaptations of representatives of higher and lower invertebrates. Students will get insight in the systematic position of the various invertebrates in animal kingdom and phylogenetic relationships. General understanding of the life histories, ecological relationships and invertebrates importance in ecosystems will be emphasized.			
<i>Practical part</i> Practical exercises includes studies on morphology, anatomy and diversity through microscope work, dissections and observations of living invertebrates.			
Reading List:			
<ol style="list-style-type: none"> 1. Krunić M. Zoologija Invertebrata I i II, Zavod za udžbenike i nastavna sredstva Beograd 1994. 2. Brajković M. Zoologija Invertebrata I i II, Zavod za udžbenike i nastavna sredstva Beograd 2004. 3. Rupert E. E., Barnes R. D. Invertebrate Zoology. (6. ed.) Saunders Coll. Publ., 1994. 4. Hickman C., Roberts L., Larson A. Integrated Principles of Zoology. (11. ed.) McGraw Hill, New York 2001 5. Pechenik A. J. Biology of the Invertebrates. (6. ed.) McGraw Hill, New York 2010 			
Total hours:			
Lectures: 4	Practicals: 4	Other:	Student research work:
Methods of instruction:			
Video presentation, dissections and dry and wet mounts.			
Assessment (maximum number of points 100)			
Requirements	points	Final exam	points
Active participation in lectures		Practical exam	14
Active participation in practicals		Oral exam	46
Test(s) or			
Pre-exam testing	40		
Remark:			