

Course Information Sheet

University: <i>Prešov University of Prešov</i>	
Faculty: <i>Faculty of humanities and natural sciences</i>	
Code: <i>2EKO/EKOPZ/15</i>	Title of Course: <i>Ecology and biodiversity of the soil animals</i>
Form of Study: <i>Present, lecture, seminar</i> Number of contact hours: per week: <i>2h+1h</i> per level/semester: <i>lectures 20, seminars 10, preparation of seminar work 30, self work and study 60.</i> <i>As part of the exercise, the student completes the collection, processing and analysis of soil animal samples.</i>	
Number of credits: <i>4</i>	
Semester: <i>2. semester / 1. year of study</i>	
Degree/Level: <i>2</i>	
Prerequisites: <i>Zoology 1 (2EKO/JZOO1/15)</i>	
Grading Policy (Assessment/Evaluation): <i>Active participation in lectures and seminars is mandatory. A student can have a maximum of 1 absence justified on the basis of a medical certificate. In case of unjustified non-participation or a large number of absences, the student will not be granted credits.</i> <i>The evaluation of the student's study results within the study subject will take place: final test with a minimum success rate of 50%.</i> <i>The success criteria (percentage of results) for the classification levels are as follows:</i> <i>a) A - 100.00 - 90.00%</i> <i>b) B - 89.99 - 80.00%</i> <i>c) C - 79.99 - 70.00%</i> <i>d) D - 69.99 - 60.00%</i> <i>e) E - 59.99 - 50.00%</i> <i>f) FX - 49.99 and less%</i>	
Aims and Objectives: <i>Student will obtain theoretical knowledge about soil as the environment for animals, about morphology, ecology, function, threat and protection of the particular soil faunal groups, theoretical knowledge as well as practical skills concerning collection methods of the soil fauna and the soil fauna coenoses of the different biotopes.</i>	
Syllabus/Indicative Content: <ol style="list-style-type: none"> General characteristics of the soil ecosystem. Soil types, soil types, basic soil properties. Definition and classification of soil fauna. Characteristics of individual groups of soil animals. Microfauna, ecology and biodiversity of groups. Mesofauna, ecology and biodiversity of groups. Macrofauna, ecology and biodiversity of groups. Megafauna, ecology and biodiversity of groups. Qualitative methods of catching soil animals. Quantitative methods of catching soil animals. Sample processing, separation methods. 	

10. Determination of the main groups of soil animals.
11. The role and position of soil animals within the soil ecosystem.
12. Cenoses of soil animals of different ecosystems.
13. Threat and protection of edaphon.

Suggested readings:

STAŠIOV, S.: Ekológia pôdnych organizmov (metódy výskumu mezo- až megazooedafónu). Vysokoškolské skriptá. Technická univerzita vo Zvolene, Zvolen, 2006.

WALWORK, J.A.: Ecology of soil animals, McGraw-Hill, London, 1970.

FRANC, V.: Systém a fylogenie živočíchov – bezchordáty. Banská Bystrica: FPV UMB, 2007.

MAJZLAN, O.: Bezchordáty a chordáty. Bratislava: Danubiapress, 1998.

BUCHAR, J. - DUCHÁČ, V. - HŮRKA, K. - LELLÁK, J.: Klíč k určování bezobratlých. Scientia, PRAHA, 1995.

Language of Instruction: slovak, english

Grading history

A	B	C	D	E	FX
a	b	c	d	e	f

Lecturer/Instructor: RNDr. Beáta Baranová, PhD.

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Approved by: