Course Information Sheet

University: *University of Prešov in Prešov*	
Faculty: *Faculty of Humanities and Natural Sciences*	
Code: *2EKO/VSEKO/22*	**Title of Course:** *General ecology*
Form of Study: *lectures, seminares* ***Number of contact hours:*** *per week: 2 lectures, 1 seminare* *per level/semester: 20 lectures, 10 seminars, 60 seminar work hours, 60 self study hours* ***Method**: physical presence/traditional classrooms*	
Number of credits: *5*	
Semester: *1. semester /1. study year*	
Degree/Level: *1*	
Prerequisities:	
Grading Policy (Assessment/Evaluation): *Presence at seminars is mandatory. A student can have a maximum of 2 absences justified on on the basis of a medical certificate. In the absence of the student will receive substitute tasks, respectively graduates consultation. In case of unjustified absence or a large number of absences, a student will not grant credits.* *The evaluation of the student's study results within the study subject will be performed as follows:* *A. continuous control of study results during the semester (seminar work) with a minimum success rate of 50%;* *B. final exam.* *The success criteria (percentage expression of results) are for the classification levels as follows:* *a) A - 100.00 - 90.00%* *b) B - 89.99 - 80.00%* *c) C - 79.99 - 70.00%* *d) D - 69.99 - 60.00%* *e) E - 59.99 - 50.00%* *f) FX - 49.99 and less%*	
Aims and Objectives: *After completing the course, students will demonstrate the acquisition of basic knowledge about the course ecology research, department terminology, basics of theoretical and applied ecology. They can generalize basic ecological phenomena regardless of the systematic affiliation of organisms in studying their interrelationships with both biotic and abiotic environments, they can describe how these relationships affect the distribution of species and their abundance. Students have knowledge of niche ecology and its role in community formation. They can describe the basic mechanisms that determine processes in ecosystems*	
Syllabus/Indicative Content: *1. What is ecology? Diversity of life.* *2. Global patterns of biodiversity and productivity.* *3. Climate and life on Earth.* *4. Abiotic environment.* *5. Introduction to biotic interactions and population models.* *6. Population demography and patterns of life history.*	

7. Interspecies competition.
8. Predation, herbivory, parasitism and other interactions.
9. Similarities and differences in ecological interactions.
10. Ecological communities.
11. Ecosystems: energy flow and nutrient cycles.
12. Structure and composition of ecological communities.
13. Species richness, abundance and diversity.

Suggested readings:

COTGREAVE, P., FORSETH, I: Introductory ecology. Wiley & Sons. 2002
TOWNSEND, R.C., BEGON, M., HARPER, L.J.: Základy ekologie. 1. české vyd., Univerzita Palackého Olomouc: Blackwell Publishing, 2010.
ELIÁŠ, P.: Ekológia. 3 vyd. Slovenská poľnohospodárska univerzita v Nitre: Vydavateľstvo SPU Nitra, 2007.
STORCH D., MIHULKA S.: Úvod do současné ekologie. Portál, Praha 2000

Language of Instruction: *slovak, english*

Other course information

Grading history

A	B	C	D	E	FX

Lecturer/Instructor:

doc. Mgr. Martin Hromada, PhD., lecturer, examiner, examining teacher, seminars
doc. Mgr. Peter Manko, PhD., lecturer, examiner, examining teacher, seminars

Last update: 13. January 2022

Approved by: