COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Education	
Course code: KBE/Bi-MD105A/22	**Course title:** Human ecology
Type and range of planned learning activities and teaching methods: **Form of instruction:** Lecture **Recommended study range:** **hours weekly:** 2 **hours per semester:** 26 **Teaching method:** on-site	
Credits: 2	**Working load:** 50 hours
Recommended semester/trimester: 2.	
Level of study: II.	
Prerequisities:	
Requirements for passing the course: During the semester, students complete several partial tests and tasks aimed at continuous assessments of understanding of the subject matter and with the aim of ensuring steady continuity of the subject matter and self-evaluation of the student. At the end of the semester, they will take a final exit written test, which will be used to determine the final assessment of the subject. Subject assessment: A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% Fx – 59%- 0%	
Learning outcomes of the course: The aim of the subject is to define the regularities of human interaction with its environment from the period before the creation of the species to the present day After completing the course Human ecology, the student will acquire the following knowledge, skills and competencies: The student will gain information about hypotheses and theories of biological evolution, about the origin of life and the evolution of organisms up to the origin of our species The student can characterize the origin of human ecosystems, the settlement of individual continents, adaptations to the conditions of the external environment and the variability of modern man The student can apply this knowledge within the framework of contemporary anthropocenosis with an emphasis on nature protection, health and ethical issues.	
Course contents: Syllabus/Indicative Content: 1. Theories of the origin of life, 2. Darwin and his theory, Mechanisms of evolution 3. Human evolution, Pre-sapient ancestors 4. Homo sapiens, anatomical characteristics	

5. Competition of our species with other Homo species
6. Human adaptations to abiotic environmental factors
7. Human interactions with biotic environmental factors, parasitic infections
8. Human interactions with biotic environmental factors, microbial infections
9. Dispersal and migration of our species,
10. The emergence of agriculture and its impact on the ecology of our species
11. Population growth, factors influencing population birth rate and mortality rate
12. Urbanization
13. Human impact on the environment

Recommended or required literature:

Kardong, K.V. An introduction to biological evolution, 2nd ed. New York: McGraw-Hill Higher Education, 2008
Svoboda J.A. Předkové : evoluce člověka, 2. uprav. vyd. Praha: Academia, 2017
Townsend, C. R., Begon, M., Harper, J. L. Základy ekologie. 1. české vyd. Olomouc: Univerzita Palackého, 2010
Flegr, J. Úvod do evoluční biologie. Praha : Academia, 2007

Language of instruction:

Notes:

Course evaluation:
Assessed students in total: 9

A	B	C	D	E	FX
11.11	44.44	33.33	11.11	0.0	0.0

Name of lecturer(s): RNDr. Mária Balážová, PhD.

Last modification: 23.08.2022

Supervisor(s):

Guarantor:
Administrátor Systému

People responsible for the delivery, development and quality of the study programme:
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