

University: University of Presov in Presov					
Faculty: Faculty of Humanities and Natural Sciences					
Subject code: 2BIO/EROSJEVOB/22			Subject name: Evolutionary Biology		
Method of educational activities: lecture					
Number of ects: 6					
Semester: winter					
Degree of study: bachelor					
Evaluation: Continuous test (40 %) Exam (60 %)					
Education outcomes: The aim is to provide an overview of the bio-evolution hypothesis, with an emphasis on the latest knowledge in this area. Evolution biology studies the essence and forms the characteristics of the general and basic biological process - the evolution of living nature, its historical development.					
Syllabus: Darwin's evolutionary theory and neodarwinism. Genetics of populations as the basis of evolutionary theory. Mutations, selection and genetic drift as evolutionary factors. Basic selection models. The origin and evolution of the cell. Evolution of genetic information. Formal analysis of phylogeny and construction of dendograms.					
Literature: FUTUYAMA, D. J.: Evolution. Sinauer Assoc. Inc. Publ., Sunderland, 2005.					
Language: english					
Evaluation of subject:					
A	B	C	D	E	FX
Teacher: Mgr. Michaela Gregušiak Fecenková, PhD.					
Date of last change: 28.08.2020					