

COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ ZKAR/21	Course name: Basics of Karstology and Speleology
Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 1 / 1 Per study period: 14 / 14 Course method:	
Number of ECTS credits: 3	
Recommended semester/trimester of the course: I., II. (Bachelor, Master)	
Course level:	
Prerequisites:	
Conditions for course completion: The condition for passing the course is independent participation in the exercises, during which not only a theoretical explanation of the topic of karst and caves, but also practical skills will be given. During the exercises, there will be an excursion to the karst area with a visit to the cave and mapping in the field. The assessment will consist of an essay on the given topic (50% of the assessment) and a short test in the final week of the semester (50% of the assessment). From both parts of the assessment, the student must obtain more than half the value of the points. For the final evaluation of the subject, the evaluation scheme applies: A (100-90 points), B (80-89 points), C (70-79 points), D (60-69 points), E (50-59 points), FX (0-49 points).	
Learning outcomes: The student will gain theoretical and practical knowledge of karst and caves. The basis is an understanding of the functioning of the complexity of the karst area with mutually influencing natural components and, to a large extent, human activity. We will discuss the topics of human activity, its impact, environmental problems and natural threats in the karst. On the basis of practical demonstrations and field trips, the student will gain practical skills in working with various instruments and equipment and an overview of various computer programs and applications for the study of karst areas.	
Brief outline of the course: Karst as a concept, karstology as a science. Karst rocks, karst sediments and soils, process. Surface and underground karst forms. Karst hydrology and hydrography. Biospeleology - life in caves. Human life in the karst and its influence and land use. Expansion of karst and caves in Slovakia, expansion of karst and caves in the world. Basic techniques of mapping karst and caves, available computer programs and applications. Part of the course are practical demonstrations of devices for research of karst and caves, excursion to karst area and practical exercise in cave mapping.	
Recommended literature:	
Course language:	
Notes:	
Course assessment Total number of assessed students: 4	
Course assessment is visible only in case of include the course to some study plan.	
Provides: RNDr. Alena Gessert, PhD., doc. Ing. Katarína Bónová, PhD.	
Date of last modification: 20.02.2023	

Approved: