Course Information Sheet

University: *Comenius University Bratislava*	
Faculty: *Faculty of Natural Sciences*	
Course ID: *PriF.KIHG/N-mGIH-161/22*	**Course title:** *Field Exercise*
Type, scope, and method of learning activities: **Form of study:** *field exercises/ excursion* **Number of contact hours:** *5 days (40 hours)* **Per week:** **per level/semester:** *40* **Method of study:** *full-time learning, field education*	
Credits: *2*	
Recommended semester: *2nd semester*	
Educational semester: II.	
Required prerequisites: -	
Grading Policy (Assessment/Evaluation): *To complete the course, attendance on the field trip and submission of a seminar paper is required. The course has a standardized grading system, as follows: A: 100 – 93%, B: 92 – 85%, C: 84 – 77%, D: 76 – 69%, E: 68 – 60%. Achieving less than 60% of one or both parts of the evaluation mean a summary evaluation of Fx and the credits will not be assigned to a student.*	
Learning outcomes: *Students observe real examples of solutions of engineering geological and hydrogeological problems in practice at selected locations in Slovakia or neighbouring countries (especially in the Czech Republic). They take photodocumentation of the locality and process the acquired information into a consistent text (seminar paper), which requires participants not only to passively receive information but also to understand it and creatively process it in their own way, which helps them remember the knowledge better. They will use this knowledge in subjects such as "Regional Hydrogeology", "Regional Hydrogeochemistry", "Regional Engineering Geology", "Building Foundations", "Geotechnical Monitoring", "Water Supply Engineering and Water Amounts Estimation", and others. By completing the course, they will also gain a better idea of the possibilities of applying engineering geologists and hydrogeologists in practice, come into contact with real specialists from companies and organizations with whom they can discuss the issues that interest them.*	
Syllabus: *The field trip takes place every year in different locations, which are selected to include not only examples of historically significant, but especially current contemporary construction of various types of structures (buildings, lined structures and/or hydrotechnical structures), or other technical interventions into the geological environment (quarries and other sources of raw materials, mines, waste dumps, etc.), and the associated engineering geological and hydrogeological problems and methods of their solution, demonstrations of technical exploration work, their evaluation, methods of various geological hazards remediation (with emphasis on landslides and other slope movements), demonstrations of locations important for supplying the population with drinking and utility water (water sources, water treatment plants, wastewater treatment plants, demonstrations of pollution remediation, etc.), or locations with occurrence of mineral and thermal waters and similar, but also locations significant for the protection of cultural heritage with interesting geological context. On each location, at the beginning, the localization, geographic-geomorphologic conditions, and possibly climate conditions, as well as the geological structure and evolution, engineering geological and/or hydrogeological conditions, and the relevant engineering geological or hydrogeological problem and the method of its solution are explained in detail. This is supported by authentic documentation and practical demonstrations on site. If safety regulations allow it, students are given the opportunity not only for visual, but also tactile perception (e.g., when describing rock properties in situ) and manipulation with some of the tools used in practice.*	
Recommended literature: *Educational text about the locations distributed to students during the field trip.*	
Languages required to complete course: *English*	
Notes: -	
Grading History:	

Total number of evaluated students: *the real number of evaluated students is reported from the introduction od the course up to its latest update*

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

Lecturers:
Assoc. Prof. RNDr. David Krčmář, Ph.D., Assoc.Prof. RNDr. Renáta Adamcová, Ph.D., Martin Zatlakovič, Ph.D., Martin Maľa, Ph.D.

Last change: 24. April 2023

Approved by: *prof. RNDr. Martin Bednarik, Ph.D.*