COURSE INFORMATION LETTER

University: P. J. Šafárik University in Košice	
Faculty: Faculty of Science	
Course ID: ÚGE/ FGS1/21	**Course name:** Physical Geography of Slovakia

Course type, scope and the method:
Course type: Lecture / Practice
Recommended course-load (hours):
Per week: 2 / 1 **Per study period:** 28 / 14
Course method:

Number of ECTS credits: 5

Recommended semester/trimester of the course: I. (Bachelor)

Course level:

Prerequisities:

Conditions for course completion:
The final evaluation of the subject is a combination of evaluations from the exercises (30%) and the exam (70%). During the exercises, there will be a semester assignment related to the physical-geographical characteristics of the selected geomorphological unit in a GIS environment (10% of the overall evaluation of the subject, with the completion of individual maps outside the duration of the exercises), 5 papers during the exercises (5x4%=20% of the evaluation). It is necessary to obtain at least more than half of the points from each evaluation element. Exercises therefore contribute 30% to the overall evaluation of the subject. The exam is two-phase and consists of a written and an oral part. After successful completion of the written part (40 b participates in the final evaluation and it is necessary to obtain the majority of points from it), the student continues to the oral part, where he answers 1 randomly chosen question (with a share in the total evaluation also 30 points). Active participation during subject exercises is a must.
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:
Knowledge: • Mastering the characteristics of individual components of the physical and geographical sphere of Slovakia, • understanding the links and relationships between individual natural components and the basic topography of Slovakia with respect to known phenomena, • understanding the relationships between individual natural components of Slovakia and their impact on human-geographical conditions.
Skills: • spatial data processing in GIS for individual geomorphological units of Slovakia, • create thematic maps, work with thematic databases, • spatial orientation of physical and geographical phenomena on the map.
Competences: • to work independently with relevant sources of literature (in the processing of the semester task), • to present the processed task on the basis of previously acquired skills and knowledge

Brief outline of the course:
In the theoretical lecture part of the course: 1. Position of the Slovak Republic within the framework of the basic macrostructures of Europe, description of borders with respect to physical and geographical units, dimensions 2. Geological structure and development of Slovakia - up to the Mesozoic 3. Geological structure and development of Slovakia - from the Tertiary 4. Geomorphological proportions and development of the relief, geomorphological units at the level of units. 5. Types of relief and their distribution in Slovakia. 6. Climatic and phenological conditions. 7. Hydrography of Slovakia – description of the river network, data on lengths, areas,

flows and water regime. 8. Underground and mineral waters. 9. Soil conditions. 10. Phytogeography and development of vegetation in our territory 11. Zoogeography of Slovakia and development of fauna 12. Current landscape types and territorial protection. During the exercises, we will deal with working with available data in a GIS environment, creating map outputs for individual physical-geographical components at the level of geomorphological wholes, spatial orientation of physical-geographical phenomena on the map of Slovakia, and practicing the theoretical knowledge obtained at the lectures. The content of the exercises is as follows: 1. Introduction to the subject - Presentation of the subject, assessment conditions, assignment of the semester work. 2. Creation of a topographic map of the selected territory - sources of geospatial data layers, proposal and design of the resulting map 3. Practicing the theoretical knowledge acquired at the lectures (topics 1-2) 4. Creation of a geological map of the selected territory - data sources, proposal and design of the resulting map 5. Practicing the theoretical knowledge acquired at the lectures (topics 3-4) 6. Creating a climate map of the selected territory - data sources, proposal and design of the resulting map 7. Practicing the theoretical knowledge acquired at the lectures (topics 5-6) 8. Creating a soil map of the selected territory - data sources, proposal and design of the resulting map 9. Practicing the theoretical knowledge acquired at the lectures (topics 7-8) 10. Creating a geobotanical map of the selected territory - data sources, proposal and design of the resulting map 11. Practicing the theoretical knowledge acquired at the lectures (topics 9- 10) 12. Consultations for the semester assignment 13. Presentation of the semester work - Oral presentation of the resulting semester work.

Recommended literature:

Course language:

Notes:

Course assessment
Total number of assessed students: 1

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: 14.02.2023

Approved: