Study Program: GEOGRAPHY

Type and level of studies: Bachelor studies

Course name: GEOMORPHOLOGY 1

Lecturer: Dragan Radovanović

Status: Compulsory subject

ECTS: 8

Attendance prerequisites:

Course aims Introduction to the basic tectonic and erosive processes on Earth. Classification of relief shapes depending on the dominant geomorphological agent.

Course outcome

Course content

Theoretical part

Concept, subject and task of geomorphology, Division of geomorphology, Scientific directions in geomorphology, Geomorphological agents, Development of geomorphology, Position of geomorphology in the system of geographical and other natural sciences, Traditional and modern research methods, Endogenous forces and their significance for relief formation, Tectonic morphological significance, Causes of tectonic movements, Epirogenic movements and shapes, Methods of determining tectonic movements, Orogenic movements and shapes, Perceptions of tectonic movements in Serbia: geomorphological implications, Volcanism, seismism and structural relief, The process of destruction and disintegration of rocks, Geophysical anthropogenic process modifiers, Research methods, Erosive and accumulative landforms, Soil erosion: phytogenic erosion, pluvial erosion, denudation and landslides, Dynamics, process modifiers and intensity, Research methods, Erosive and accumulative landforms, Analysis of different approaches to mathematical models conditions environments, Influence of anthropogenic activity on the scope and type of process, Fluvial erosion: process and its intensity; process modifiers, Research methods, Erosive and accumulative forms, Modeling based on different theoretical and experimental approaches, Karst erosion: process, its intensity and modifiers, Research methods, Erosive and accumulative forms, Relationship between karst and other types of erosion.

Practical part

Interpolation, Planimetry, Making block diagrams (successive profile method, isohypsis method, computer methods), Using aerial images in geomorphology, Basic photogrammetry procedures, Determining the amount of precipitation in the basin (or some other territory), Making the hypsometric integral of its basin and determining of geological composition.

Literature

Петровић Д., Манојловић, П. (2003): *Геоморфологија***,** Географски факултет, Београд

Манојловић, П., Драгићевић, С. (2003): *Практикум из геоморфологије*, Географски факултет, Београд

Лазаревић, Р. (1994): *Ледено доба у нашој земљи и свету*, Српско географско друштво, Београд

Derbyshire, E.(1976): *Geomorphology and Climate*, John Njiley & Sons, Bristol

Ford, D., Williams, P.(1989): *Karst Geomorphology and Hydrology* , Unwin Hyman, London

Number of active classes	**Theoretical classes:** **3**	**Practical classes:** **3**

Teaching methods lectures, exercises, consultations, term test(s)

Assessment (maximum 100 points)

Course assignments	**points**	Final exam	**Points**
activity during lectures	**10**	written exam	
practical classes		oral exam	**50**
term test(s)	**40**	…….	
term paper(s)			