Study-program: Master in Geography

Level: Master

Course title: Applied Geomorphology

Teacher: PhD Ristanović Branko, associate professor

Subject status: elective

ECTS: 6

Requirements: none

Learning objectives:
Study of the Earth's relief for practical purposes. Research of geomorphological characteristics.

Learning outcomes:

Mastering research methods and presentation of results. Learn the techniques of geomorphological terrain analysis.

Syllabus:

Theoretical instruction:
Quantitative geomorphological analysis. Geomorphological analysis methods, the cabinet method (analysis of topographical maps, analysis of geological maps, analysis of satellite and aerial photographs, mathematical and statistical analysis, testing experimental methods, laboratory tests). Field methods (observation by the route, monitoring the border, recording profiles, a stationary observation).

Practical instruction:
Analysis of the energy relief, slope gradient analysis, comparison of the actual state of relief with the theoretical model (theoretical analogue of the longitudinal profile of stream-logarithmic curve, parabola, theoretical model development relief in time), the analysis of erosion integrals, hypsometric analysis, spatial variation of the modern relief of local erosion base, geomorphological mapping.

References:
Marković, M. (1983): Fundamentals of applied geomorphology. Geoinstitut, Special Edition, Vol. 8, Belgrade
Marković, M., Pavlović R., Čupković, T. (2003): Geomorphology. Mining and Geology, Belgrade

Weekly teaching load 4 (60)				**Other:** -
Lectures: 2	**Exercises: 2**	**Other forms of teaching:**	**Student research:**	

Methods of teaching:
Monologue-dialogue, field work

Evaluation of knowledge (maximum score 100)			
Pre-exam	points	Final exam	points
Activity during the lectures	**0-5**	written exam	
Practical training	**0-5**	oral examination	**30-45**
Tests	**20-40**	.....	
Seminars	**0-5**		