

## Course Information Sheet

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| <b>University:</b> <i>University of Prešov</i>  |   |
| <b>Faculty:</b> <i>Faculty of humanities and natural sciences</i>   |   |
| <b>Code:</b> <i>2EKO/GEOE1/22</i>   | <b>Title of Course:</b> <i>Geoecology</i> |
| <b>Form of Study:</b> <i>lecture, practical seminar</i><br><b>Number of contact hours:</b><br><b>per week:</b> <i>2 hours of lecture/1 hour of practical seminar</i><br><b>per level/semester:</b> <i>lectures 20 hours, practical seminars 10 hours, self-study 60 hours, preparation of materials and study of resources needed to prepare the presentation 30 hours,</i>   |   |
| <b>Number of credits:</b> <i>4</i>  |   |
| <b>Semester:</b> <i>1st year of study, summer semester</i>  |   |
| <b>Degree/Level:</b> <i>1</i>   |   |
| <b>Prerequisites:</b> <i>-</i>  |   |
| <b>Grading Policy (Assessment/Evaluation):</b><br><i>The evaluation of the student's study results within the study subject will take place:</i><br><i>a) elaboration and presentation of work on a selected topic,</i><br><i>b) final test at the end of the semester.</i><br><br><i>The criteria for successful completion of the course (percentage expression of results in the evaluation of the exam from the subject) are</i><br><i>for the following grades:</i><br><i>a) A - 100.00 - 90.00%</i><br><i>b) B - 89.99 - 80.00%</i><br><i>c) C - 79.99 - 70.00%</i><br><i>d) D - 69.99 - 60.00%</i><br><i>e) E - 59.99 - 50.00%</i><br><i>f) FX - 49.99 and less%</i>   |   |
| <b>Aims and Objectives:</b><br><i>By completing the course, the student will demonstrate the ability to:</i><br><i>- define the concept of country and characterize its structure,</i><br><i>- explain the concepts of ecological stability and landscape lability,</i><br><i>- describe the country's functions,</i><br><i>- characterize the geographical dimensions,</i><br><i>- describe changes in natural complexes in time and space,</i><br><i>- classify geoecological research methods.</i><br><i>- characterize geoecological mapping and describe its principles,</i><br><i>- explain the principle of geoecological research,</i><br><i>- independently implement geoecological mapping and geoecological research, evaluate its results, interpret them and formulate conclusions</i><br><i>- the student is competent to evaluate the results of geoecological research, formulate conclusions and propose recommendations</i> |   |
| <b>Syllabus/Indicative Content:</b><br><i>1. Introduction to statistics, introduction to the subject and evaluation, what is statistics</i><br><i>2. Basic statistical concepts, types of data,</i><br><i>3. Normality of data and possibilities of its verification, dependent and independent measurements</i><br><i>4. Introduction to the PAST program</i><br><i>5. Basic characteristics of the statistical file, Basic types of graphs</i><br><i>6. Parametric and non-parametric tests for 2 independent measurements</i><br><i>7. Parametric and non-parametric tests for 2 dependent measurements</i><br><i>8. Repetition and practice of test selection procedure</i>   |   |

9. Parametric and nonparametric tests for  $x$  independent measurements
10. Parametric and nonparametric tests for  $x$  dependent measurements
11. Correlation and regression
12. Linear regression and multiple regression
13. Repetition and practice of test selection procedure

**Suggested readings:**

Huggett, R. (1995) *Geology: An Evolutionary Approach*. ,338p

**Language of Instruction:** *english*

**Other course information:****Grading history**

| A | B | C | D | E | FX |
|---|---|---|---|---|----|
| a | b | c | d | e | f  |

Uvádza sa percentuálny podiel hodnotených študentov, ktorí získali po zapísaní predmetu hodnotenie A, B, ... FX. Celkový súčet a, b, c, d, e, f je 100. Ak študent v jednom roku získal FX a po ďalšom zapísaní predmetu hodnotenie D, zohľadnia sa obe jeho hodnotenia.

**Lecturer/Instructor:** *RNDr. Lenka Demková, PhD.*

**Last update:** *12.01.2022*

**Approved by:**