

<b>1. Field of study</b>	<b>Geography</b>
2. Faculty	Faculty of Natural Sciences
3. Academic year of entry	2022/2023 (winter term), 2023/2024 (winter term), 2024/2025 (winter term)
4. Level of qualifications/degree	second-cycle studies
5. Degree profile	general academic
6. Mode of study	full-time

**Module:** MSc diploma laboratory II

**Module code:** W2-GF-S2-220

**1. Number of the ECTS credits:** 5

<b>2. Learning outcomes of the module</b>			
<b>code</b>	<b>description</b>	<b>learning outcomes of the programme</b>	<b>level of competence (scale 1-5)</b>
W2-GF-S2-220_1	The student understands the conditioning for the quality and accuracy of the data acquisition (empirical, statistical and literature) to solve the leading problem of the master's thesis. The student understands the complexity of the factors affecting the results of the analysis and the interpretation of factual data. The student can use advanced techniques and tools for analyzing source data (empirical, statistical, spatial) and present the results of these analyzes. The student can indicate priorities for the implementation of specific tasks.	KGG2_K03 KGG2_U05 KGG2_W01 KGG2_W02	1 2 3 3
W2-GF-S2-220_2	The student knows and uses the methodology of preparing scientific texts or application works in relation to the master's thesis. He/she consistently follows rules during the elaboration and presentation of the results of empirical research.	KGG2_K01 KGG2_U03 KGG2_U04	1 1 1
W2-GF-S2-220_3	The student uses data from national and foreign literature to interpret their own research results. He/she is able to cooperate in a group through the public presentation of his/her own results, discussion and defense of his/her own thesis.	KGG2_K02 KGG2_U04	1 2

### **3. Module description**

<b>Description</b>	Master diploma laboratory II: allows students to practically prepare scientific texts – master's diploma theses. Laboratory meetings help with the preparation of the master's thesis in relation to analytical parts and the discussion of results and their interpretation. It enables the presentation of final results in direct cooperation with the supervisor. The student learns: to use developed data presentation methods; to interpret test results; to correctly describe with illustration which is appropriate for the subject. The meetings also enable a detailed group discussion on the results of the research and their interpretation, as well as the results of other pieces of research and the formulation of final conclusions. Develops the ability to use the proper technique of writing a master's thesis, the correctness of citing and compiling bibliographies, the use of footnotes and the final editorial of the diploma thesis.
<b>Prerequisites</b>	

Completion of course: Master diploma laboratory I, Master's seminar I, Master's seminar II are the recommended educational modules in the field of geographical information systems and master's field exercises.

#### 4. Assessment of the learning outcomes of the module

code	type	description	learning outcomes of the module
W2-GF-S2-220_w_1	Continuous evaluation of the student's work	Evaluation of the development of work on the methods used to solve the hypothesis of the master's thesis. Evaluation of data source analysis and the individual interpretation of their results. Assessment of the progress of the diploma dissertation text preparation, taking into account the formatting and including proper illustration.	W2-GF-S2-220_1, W2-GF-S2-220_2
W2-GF-S2-220_w_2	The presentation	Presentation of individual results of the data analysis and interpretation of the research results and the most important elements of the master's thesis (with illustration) along with submitting the presented issues for group discussion.	W2-GF-S2-220_3

#### 5. Forms of teaching

code	form of teaching			required hours of student's own work		assessment of the learning outcomes of the module
	type	description (including teaching methods)	number of hours	description	number of hours	
W2-GF-S2-220_fs_1	laboratory classes	Seminar on the application of methodology for the development and analysis of source data or experimental data for an individual problem. Laboratory verification of the obtained data analysis results. Individual presentations and team discussion of partial results from case studies.	30	Reading specialist and methodical publications; verification of materials and data source; learning instructions and implementing the use of specialized data processing techniques; preparation of the most important elements of the thesis text construction.	95	W2-GF-S2-220_w_1, W2-GF-S2-220_w_2