

## Subject card

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          |                                         |                                     |                                                |            |     |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------------------|------------------------------------------------|------------|-----|
| Subject name and code                       | Presentation of scientific research, PG_00135517                                                                                                                                                                                                                                                                                                                                                                   |                                                          |                                         |                                     |                                                |            |     |
| Field of study                              | Physical geography and geoinformation                                                                                                                                                                                                                                                                                                                                                                              |                                                          |                                         |                                     |                                                |            |     |
| Date of commencement of studies             | October 2025                                                                                                                                                                                                                                                                                                                                                                                                       |                                                          | Academic year of realisation of subject |                                     | 2026/2027                                      |            |     |
| Education level                             | Master's studies                                                                                                                                                                                                                                                                                                                                                                                                   |                                                          | Subject group                           |                                     | Obligatory subject group in the field of study |            |     |
| Mode of study                               | full-time studies                                                                                                                                                                                                                                                                                                                                                                                                  |                                                          | Mode of delivery                        |                                     | at the university                              |            |     |
| Year of study                               | 2                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                          | Language of instruction                 |                                     | Polish                                         |            |     |
| Semester of study                           | 4                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                          | ECTS credits                            |                                     | 2.0                                            |            |     |
| Learning profile                            | academic                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          | Assessment form                         |                                     | credit                                         |            |     |
| Conducting unit                             | Department of Geomorphology and Quaternary Geology -> Faculty of Oceanography and Geography -> Rector                                                                                                                                                                                                                                                                                                              |                                                          |                                         |                                     |                                                |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                                                                                                                                                 |                                                          | dr Alicja Bonk                          |                                     |                                                |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |                                         |                                     |                                                |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                                                                                                                                                        | Lecture                                                  | Tutorial                                | Laboratory                          | Project                                        | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                                                                                              | 0.0                                                      | 30.0                                    | 0.0                                 | 0.0                                            | 0.0        | 30  |
|                                             | E-learning hours included: 0.0                                                                                                                                                                                                                                                                                                                                                                                     |                                                          |                                         |                                     |                                                |            |     |
| Learning activity and number of study hours | Learning activity                                                                                                                                                                                                                                                                                                                                                                                                  | Participation in didactic classes included in study plan |                                         | Participation in consultation hours |                                                | Self-study | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                                                                                              | 30                                                       |                                         | 15.0                                |                                                | 15.0       | 60  |
| Subject objectives                          | <div>1. Acquiring of the skills necessary to present scientific work in various forms (poster, discussion, abstract, scientific article).</div> <div>2. Acquiring of the ability to deliver oral presentations that are communicative, persuasive, coherent and linguistically correct.</div> <div>3. Enhancing the ability to evaluate and provide constructive criticism of the scientific work of others.</div> |                                                          |                                         |                                     |                                                |            |     |

| Learning outcomes | Course outcome                                                                                                                                                                                                                                                                                                                                                                                                                               | Subject outcome                                                                                                                                                                                                                                                                                                                                              | Method of verification                       |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
|                   | [GFGMU2_U02] precisely and appropriately use terminology in the field of physical geography and geoinformation in oral statements and written works                                                                                                                                                                                                                                                                                          | Be able to apply physical geography and geoinformation terminology proficiently in oral statements and written work                                                                                                                                                                                                                                          | [SU1] oral statement/conversation/discussion |
|                   | [GFGMU2_U04] describe and analyze the causes and course of physical and geographical processes and phenomena, selecting and applying advanced techniques and research tools in the field of statistical and geoinformation methods, interpreting the results, using theoretical knowledge to formulate own opinions and conclusions                                                                                                          | Be able to describe and analyse the causes and course of phenomena and processes in the geographical environment using advanced techniques and tools from the field of statistical methods, interpreting the results obtained and formulating conclusions.                                                                                                   | [SU2] presentation/project/paper/report      |
|                   | [GFGMU2_W06] advanced conceptual apparatus of physical geography and geoinformation, selected Polish and foreign literature on physical geography and principles of preparing and editing scientific texts                                                                                                                                                                                                                                   | Knows and understands the terminology in physical geography and geoinformation, the Polish and foreign language literature on the geographical environment and geoinformation, and the principles of preparing and editing scientific texts.                                                                                                                 | [SW2] presentation/project/paper/report      |
|                   | [GFGMU2_U03] effectively use selected scientific literature in the field of physical geography and geoinformation, both in Polish and English                                                                                                                                                                                                                                                                                                | Can make effective use of the scientific literature on physical geography and geo-information both in Polish and English.                                                                                                                                                                                                                                    | [SU2] presentation/project/paper/report      |
|                   | [GFGMU2_W01] the specificity of Earth sciences in the field of physical geography, its internal structure, research subject and main research directions, conceptual apparatus, as well as practical applications of scientific achievements                                                                                                                                                                                                 | Knows and understands the specificity of the earth sciences in the field of physical geography, its main research directions, the conceptual apparatus, as well as the practical applications of scientific achievements.                                                                                                                                    | [SW1] oral statement/conversation/discussion |
|                   | [GFGMU2_U05] integrate knowledge from the discipline of Earth and environmental sciences, explaining and interpreting the interrelationships between environmental processes and phenomena in order to solve research problems in physical geography and geoinformation                                                                                                                                                                      | Be able to integrate knowledge from the discipline of earth and environmental sciences, correctly explaining and interpreting the interrelationships between environmental processes and phenomena in order to solve research problems of contemporary climatology, hydrology and geomorphology in the context of the analysis of natural extreme phenomena. | [SU1] oral statement/conversation/discussion |
|                   | [GFGMU2_U07] efficiently perform, present and discuss the results of individual or group research, using a properly understood cause-and-effect sequence of the applied research procedure, visualizing the results of spatial data analysis and reliably documenting own contribution to the conducted procedure                                                                                                                            | Be able to efficiently carry out, understandably present and discuss the results of his/her own research using a properly understood cause-and-effect sequence of the applied research procedure, skilfully visualising the results of spatial data analysis and credibly documenting his/her own contribution to the procedure.                             | [SU2] presentation/project/paper/report      |
|                   | [GFGMU2_U01] find, select and critically evaluate sources of information about the research problem to be implemented                                                                                                                                                                                                                                                                                                                        | Be able to find, select and critically evaluate sources of information on a research problem.                                                                                                                                                                                                                                                                | [SU1] oral statement/conversation/discussion |
|                   | [GFGMU2_K03] accepting responsibility for group work assuming various roles in it, participating in preparation of scientific projects, taking responsibility for the equipment and safety rules, active developing of professional competences and knowledge in Earth and environmental sciences and geoinformation, including interdisciplinarity, as well as developing the principles of professional ethics, respecting copyright rules | Be ready to actively broaden his/her professional competences and update his/her knowledge in earth and environmental sciences and geoinformation enriching it with an interdisciplinary dimension, respecting and developing the principles of professional ethics, including respecting copyrights in his/her own and others' activities.                  | [SK2] presentation/project/paper/report      |

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|                                 | Course outcome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Subject outcome                                                                                                                                                                                                                                                                                                                                                                                                                   | Method of verification                       |
|                                 | [GFGMU2_K01] critical assessment of knowledge in the field of Earth and environmental sciences and geoinformation, its completion and verification through critical analysis of scientific literature                                                                                                                                                                                                                                                                                                      | Be ready to critically evaluate his knowledge in the field of his thesis, to complete it and to verify his knowledge and skills through active participation in discussions.                                                                                                                                                                                                                                                      | [SK1] oral statement/conversation/discussion |
|                                 | [GFGMU2_W08] the most important contemporary problems on a regional and global scale, their essence, genesis and possible consequences                                                                                                                                                                                                                                                                                                                                                                     | Knows and understands the major problems of physical geography at regional and global scales, their nature, genesis and possible consequences.                                                                                                                                                                                                                                                                                    | [SW2] presentation/project/paper/report      |
| Subject contents                | <ol style="list-style-type: none"><li>1. Tables and graphs as a form of research visualization.</li><li>2. Oral presentation.</li><li>3. Multimedia presentation.</li><li>4. Leading and participating in discussions.</li><li>5. Principles of composition and poster preparation.</li><li>6. Preparation of a conference abstract.</li><li>7. Principles of preparing a scientific article: selecting a journal, developing a scientific structure, correct citation, and avoiding plagiarism.</li></ol> |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |
| Prerequisites and co-requisites |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |
| Assessment methods and criteria | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Passing threshold                                                                                                                                                                                                                                                                                                                                                                                                                 | Percentage of the final grade                |
|                                 | tables and charts design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                                             | 15.0%                                        |
|                                 | abstract preparation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                                             | 10.0%                                        |
|                                 | poster design and presentation                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                                             | 50.0%                                        |
|                                 | multimedia presentation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                                             | 25.0%                                        |
| Recommended reading             | Basic literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Strączak M., 2011, Public presentation. Speak communicably, originally, convincingly!, EdisonTeam.pl, Warsaw.<br><br>Świąchowski J. (ed.), 2016, General laboratory. Guide to the development of key competences in learning and conducting research during studies, IGIŹP UJ, Kraków.<br><br>Weiner J., 2001, Technique of writing and presenting scientific works on natural sciences, PWN Scientific Publishing House, Warsaw. |                                              |
|                                 | Supplementary literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Buzan T., 2004, Maps of your thoughts, Ravi, Łódź.<br><br>Schopenhauer A., 2007, Eristics. The art of conducting disputes, Helion Publishing House, Gliwice.<br><br>Szymanek K., 2012, The art of argumentation. Terminological dictionary, PWN Scientific Publishing House, Warsaw.                                                                                                                                              |                                              |
|                                 | eResources addresses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |
|                                 | Example issues/<br>example questions/<br>tasks being completed                                                                                                                                                                                                                                                                                                                                                                                                                                             | <ol style="list-style-type: none"><li>1. Oral presentation.</li><li>2. Tables and charts as a form of research visualisation.</li><li>3. Multimedia presentation.</li><li>4. Principle of poster composition.</li><li>5. Leading and participating in discussions.</li><li>6. Poster presentations.</li><li>7. Writing of a conference abstract.</li></ol>                                                                        |                                              |
| Work placement                  | Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |

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