

## Subject card

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                         |                                     |                                                                                                                      |            |     |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | Copy Principles of physical geography - laboratory, PG_00054147                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                         |                                     |                                                                                                                      |            |     |
| Field of study                              | Geography                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                          |                                         |                                     |                                                                                                                      |            |     |
| Date of commencement of studies             | October 2025                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                          | Academic year of realisation of subject |                                     | 2025/2026                                                                                                            |            |     |
| Education level                             | Bachelor's studies                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          | Subject group                           |                                     | Obligatory subject group in the field of study<br>Subject group related to scientific research in the field of study |            |     |
| Mode of study                               | full-time studies                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          | Mode of delivery                        |                                     | at the university                                                                                                    |            |     |
| Year of study                               | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          | Language of instruction                 |                                     | Polish                                                                                                               |            |     |
| Semester of study                           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          | ECTS credits                            |                                     | 3.0                                                                                                                  |            |     |
| Learning profile                            | academic                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          | Assessment form                         |                                     |                                                                                                                      |            |     |
| Conducting unit                             | Laboratory of Limnology -> Department of Hydrology -> Faculty of Oceanography and Geography -> Rector                                                                                                                                                                                                                                                                                                                                                         |                                                          |                                         |                                     |                                                                                                                      |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                          | dr Wojciech Maślanka                    |                                     |                                                                                                                      |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |                                         |                                     |                                                                                                                      |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Lecture                                                  | Tutorial                                | Laboratory                          | Project                                                                                                              | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.0                                                      | 10.0                                    | 0.0                                 | 0.0                                                                                                                  | 0.0        | 10  |
|                                             | 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                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10                                                       |                                         | 20.0                                |                                                                                                                      | 45.0       | 75  |
| Subject objectives                          | Consolidating and expanding knowledge of the place and role of physical geography in the system of sciences, basic processes and phenomena occurring on Earth and the interaction of physical geography components. Acquiring the ability to describe mutually interacting processes taking place inside and on the Earth's surface and to explain their causes. Acquiring the ability to recognize the basic forms of the earth's surface and their origins. |                                                          |                                         |                                     |                                                                                                                      |            |     |

| Learning outcomes | Course outcome                                                                                                                                                                                                                                                                                                                                         | Subject outcome                                                                                                                                                                                                                              | Method of verification              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
|                   | [GEOGRL3-W03] in an advanced degree the processes and phenomena occurring in the natural environment of the Earth, with particular emphasis on the processes and phenomena occurring on the territory of Poland, especially the Coastal and South Baltic Lake Districts                                                                                | K_W03 - advanced level of processes and phenomena occurring in the environment Earth's natural environment; Program content: B1-B9                                                                                                           | [SW4] test/exam - oral or written   |
|                   | [GEOGRL3-U01] identify and analyze basic natural and socio-economic processes and phenomena and analyze their causes and course                                                                                                                                                                                                                        | K_U01 - identify and analyze basic natural processes and phenomena and analyze their causes and course; Program content: B1-B9                                                                                                               | [SU4] test/exam - oral or written   |
|                   | [GEOGRL3-W05] Has advanced knowledge of the environment Earth's geographic environment, understood as a unified system of interrelated and interacting each other's components; its diversity, functioning and dynamics of change, including the mutual interaction of environmental components in the area of South Baltic Coastal and Lake Districts | K_W05 - has advanced knowledge about the geographical environment of the Earth, understood as a uniform system of interconnected and interacting each other components; its differentiation and functioning; Program content: B9             | [SW4] test/exam - oral or written   |
|                   | [GEOGRL3-U05] find and select the necessary information from professional literature and other sources, including electronic sources                                                                                                                                                                                                                   | K_U05 - find and select necessary information about processes and physical and geographical phenomena occurring in a specific area basics of professional literature and other sources, including electronic sources; Content program: B1-B9 | [SU3] text preparation/written work |
|                   | [GEOGRL3-U09] develop a selected geographical problem in the form of a scientific text in Polish in the specified methodological convention, with correct documentation                                                                                                                                                                                | K_U09 - develop a selected problem in the field of physical geography in the form a short scientific text in Polish in a specific convention methodological, with correct documentation; Program content: B1-B9                              | [SU3] text preparation/written work |
|                   | [GEOGRL3-W02] key concepts in geography and theories on spatial variation and distribution of processes and phenomena on the Earth's surface                                                                                                                                                                                                           | K_W02 - key concepts in physical geography and related theories spatial diversity and distribution of processes i physical and geographical phenomena on the Earth's surface; Program content: B1-B9                                         | [SW4] test/exam - oral or written   |
|                   | [GEOGRL3-U03] use theoretical knowledge of geographic sciences and available sources of information to correctly interpret basic natural, social, economic and political processes                                                                                                                                                                     | K_U03 - use theoretical knowledge in the field of physical and geographical sciences and available sources of information for the correct interpretation of the basic ones natural processes and phenomena; Program content: B1-B9           | [SU4] test/exam - oral or written   |

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|---------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Subject contents                | B. Problems of exercises:                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
|                                 | B.1. Map, its elements and interpretation.                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
|                                 | B.2 . The rotation and rotation of the Earth and its consequences.                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
|                                 | B.3. Features of the distribution of lands and seas on the globe. Hypsographic curves.                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
|                                 | B.4. Geological structure of the Earth. Orogeny.                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
|                                 | B.5. Forms of relief of the Earth's surface and ocean floor and the processes shaping them.                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
|                                 | B.6. Features of the spatial distribution of temperature, precipitation and winds on the globe. Types of climates. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
|                                 | B.7. Hydrological characteristics of continents. Sea currents.                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
|                                 | B.8. Plant formations and zoogeographical regions on Earth, relics and endemics.                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
|                                 | B.9. Geographical diversity of soils in the world. Zonal and aszone soils                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| Prerequisites and co-requisites |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| Assessment methods and criteria | Subject passing criteria                                                                                           | Passing threshold                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Percentage of the final grade |
|                                 | test                                                                                                               | 51.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100.0%                        |
| Recommended reading             | Basic literature                                                                                                   | 1. Borówka R.K., 2001, History of the Earth and the development of life. Our Earth, Vol.3, Ed. Kurpisz, Poznań.<br><br>2. Świtalski E., 1992, Basics of general physical geography with elements of geology, Education Society. Polish, Toruń.<br><br>3. Makowski J., 2018, Physical geography of the world, Ed. sciences PWN<br><br>4. Geographical atlas of the world, PPWK or Demart (any edition) - Kostrzewski, A., The Great Encyclopedia of World Geography vol.: I and II (Dictionary of geographical terms). Ed. Kurpisz. 2001. |                               |
|                                 | Supplementary literature                                                                                           | 1. Van Andel T.H., 1998, Nowe spojrzenie na starą planetę. Zmienne oblicze Ziemi, PWN, Warszawa.<br><br>2. Marcinek J., 1991, Lodowce kuli ziemskiej, PWN, Warszawa.<br><br>3. Martyn D., 1991, Klimaty kuli ziemskiej, PWN, Warszawa.                                                                                                                                                                                                                                                                                                   |                               |
|                                 | eResources addresses                                                                                               | Adresy na platformie eNauczanie:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |
|                                 | Example issues/<br>example questions/<br>tasks being completed                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |
| Work placement                  | Not applicable                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |

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