University of Gdańsk

Subject card

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| Subject name and code | Geomorphology - field training, PG_00120138 | | |
| Field of study | Geography | | |
| Date of commencement of studies | October 2024 | Academic year of realisation of subject | 2025/2026 |
| Education level | undergraduate studies | Subject group | Obligatory subject group in the field of study<br>Optional subject group<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 | 2 | Language of instruction | Polish |
| Semester of study | 4 | ECTS credits | 3.0 |
| Learning profile | academic | Assessment form | |
| Conducting unit | Pracownia Rekonstrukcji Geomorfologicznych -> Katedra Geomorfologii i Geologii Czwartorzędu -> Faculty of Oceanography and Geography | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr hab. Piotr Woźniak | |
| | Teachers | | |

| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|---|
| | Number of study hours | 0.0 | 24.0 | 0.0 | 0.0 | 0.0 | 24 |
| | 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 | 24 | 20.0 | 35.0 | 79 |

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| Subject objectives | Introduction to planning and independent basic geomorphological field surveys (related to drilling and documentation of outcrops). |

## Learning outcomes

| Course outcome | Subject outcome | Method of verification |
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| [GEOGRL3-K03] work in a group and perform various roles in it, take care of the entrusted equipment and the safety of themselves and others | Actively cooperates with the group during fieldwork and data processing, applies the basic principles of occupational health and safety. | [SK4] test/exam - oral or written<br>[SK8] observation of student's independent or team work |
| [GEOGRL3-U06] apply methods and research tools of geographic sciences, including conducting observations and field measurements, and assess their suitability for the tasks in which the application objective of geography can be achieved | Selects equipment for drilling and geological measurements for a specific geomorphological setting. | [SU2] presentation/project/paper/ report<br>[SU4] test/exam - oral or written |
| [GEOGRL3-U01] identify and analyze basic natural and socio-economic processes and phenomena<br>and analyze their causes and course | Identifies the basic types of sediments and landforms and indicates the processes responsible for their genesis. | [SU2] presentation/project/paper/ report<br>[SU4] test/exam - oral or written |
| [GEOGRL3-U04] plan and carry out, independently and in a team, a simple research procedure in the field of<br>geographical sciences under the guidance of a scientific supervisor | Plans and conducts simple field geomorphological surveys. | [SU2] presentation/project/paper/ report |
| [GEOGRL3-W08] at an advanced level methods and principles development of data on the natural and<br>anthropogenic environment, and methods of their analysis and interpretation | Knows the basic methods and rules of processing the results of geomorphological field research. | [SW4] test/exam - oral or written<br>[SW2] presentation/project/paper/ report |
| [GEOGRL3-W07] on advanced level methods of aquiring<br>data on the natural and anthropogenic environment, including operation of specialized equipment | Knows the basic types of equipment for geological drilling and measurements and distinguishes the use of this equipment in specific geomorphological situations. | [SW4] test/exam - oral or written |
| [GEOGRL3-W03] in an advanced degree the processes and phenomena<br>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 | Recognizes, distinguishes and characterizes sediments of basic sedimentary environments; recognizes and describes landforms in the field. | [SW2] presentation/project/paper/ report<br>[SW3] text preparation/written work |
| [GEOGRL3-U07] use geoinformatics techniques and simple<br>statistical tools and methods of spatial analysis to determine relationships between a variety of variables specific to the geographic environment and present the results of the analyses performed | Uses geoinformatics techniques and simple statistical tools to develop the results of geomorphological field research. | [SU2] presentation/project/paper/ report |

## Subject contents

1. Planning of fieldwork
2. Methodology of performing and description of geological outcrops and geological drilling
3. Description of structural and textural features of sediments in the field
4. Geomorphological mapping

## Prerequisites and co-requisites

## Assessment methods and criteria

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| test | 51.0% | 40.0% |
| reports from fieldworks | 51.0% | 60.0% |

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| Recommended reading | Basic literature | Allen P.A., 2000, Procesy kształtujące powierzchnię Ziemi, PWN, Warszawa.<br>Jaroszewski W., 1986, Przewodnik do ćwiczeń z geologii dynamicznej, Wyd. Geologiczne, Warszawa.<br>Lindner L. (red.), 1992, Czwartorzęd. Osady. Metody badań. Stratygrafia, Wyd. PAE, Warszawa.<br>Migoń P., 2006, Geomorfologia, PWN, Warszawa.<br>Mycielska-Dowgiałło E., Rutkowski J. (red.), 1995, Badania osadów czwartorzędowych. Wybrane metody, interpretacja wyników, WGiSR UW, Warszawa.<br>Tobolski K., 2000, Przewodnik do oznaczania torfów i osadów jeziornych, Wyd. Nauk. PWN, Warszawa |
| | Supplementary literature | It depends on the region in which the field courses are carried out - studies describing the relief and palaeogeography of the region. |
| | eResources addresses | Adresy na platformie eNauczanie: |
| Example issues/ example questions/ tasks being completed | How to distinguish till from clay macroscopically?<br><br>Name the 2 types of connecting of the manual drilling equipment used during the field courses.<br><br>Develop a geological cross-section of a peatland based on your own geological drilling results. | |
| Work placement | Not applicable | |

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