

Subject card

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|--|--|--|--|------------|-----------------------------------|---------|-----|
| Subject name and code | , PG_00120925 | | | | | | |
| Field of study | Geology | | | | | | |
| Date of commencement of studies | October 2024 | | Academic year of realisation of subject | | 2026/2027 | | |
| Education level | Bachelor's studies | | Subject group | | Optional subject group | | |
| Mode of study | full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 3 | | Language of instruction | | Polish | | |
| Semester of study | 6 | | ECTS credits | | 1.0 | | |
| Learning profile | academic | | Assessment form | | credit | | |
| Conducting unit | Department of Geophysics -> Faculty of Oceanography and Geography -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr hab. Leszek Łęczyński | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 15.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 |
| | 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 | 15 | 7.0 | 10.0 | 32 | | |
| Subject objectives | To introducing students to the basics of geological and geophysical survey methods in the polar zone. | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | Method of verification | | |
| | [GEOLL3_W01] knows and understands the basic natural phenomena and explains their course in relation to geological processes | | knows and understands the basic natural phenomena and explains their course in relation to the geological processes occurring in the polar areas | | [SW4] test/exam - oral or written | | |
| | [GEOLL3_W04] knows and understands phenomena and processes occurring in the past and today in the interior of the Earth and on its surface, defines the methods of how to study them | | knows and understands the phenomena and processes occurring in the past and today in the polar areas, defines the methods of their study | | [SW4] test/exam - oral or written | | |
| | [GEOLL3_W02] knows and understands the terminology appropriate in science and natural sciences | | knows and understands terminology specific to the sciences and natural sciences including polar areas | | [SW4] test/exam - oral or written | | |

| Subject contents | <p>History of Polish Arctic research</p> <p>Climate of the Arctic</p> <p>Sea ice, glaciers and ice sheets of the Arctic</p> <p>Magnetic storms - Auroras</p> <p>Geophysical research in the Arctic</p> <p>Geological structure of the Arctic</p> <p>Morphodynamic characteristics of the polar coastal zone</p> <p>Glacial influence on the morphology of fjord bottoms</p> <p>Glacio-marine sedimentation in the Arctic seas</p> | | | | | | | | |
|--|--|-------------------------------|--|-------------------------------|--|----------------------|--------|--|--|
| Prerequisites and co-requisites | | | | | | | | | |
| Assessment methods and criteria | <table border="1"> <thead> <tr> <th>Subject passing criteria</th> <th>Passing threshold</th> <th>Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td>colloquium</td> <td>51.0%</td> <td>100.0%</td> </tr> </tbody> </table> | Subject passing criteria | Passing threshold | Percentage of the final grade | colloquium | 51.0% | 100.0% | | |
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| Recommended reading | <table border="1"> <tbody> <tr> <td>Basic literature</td> <td>Jania J., 1988, Zrozumieć lodowce. Wydawnictwo Śląsk Jania J., 1997, Glacjologia. Wydawnictwo Naukowe PWN</td> </tr> <tr> <td>Supplementary literature</td> <td>Lowrie W., 2007, Fundamentals of Geophysics, Wyd. Cambridge University Press Marcinek J., 1991, Lodowce kuli ziemskiej. Wydawnictwo Naukowe PWN Styszyńska A., 2005. Przyczyny i mechanizmy współczesnego (1982-2002) ocieplenia atlantyckiej Arktyki. Wydawnictwo Akademii Morskiej</td> </tr> <tr> <td>eResources addresses</td> <td></td> </tr> </tbody> </table> | Basic literature | Jania J., 1988, Zrozumieć lodowce. Wydawnictwo Śląsk Jania J., 1997, Glacjologia. Wydawnictwo Naukowe PWN | Supplementary literature | Lowrie W., 2007, Fundamentals of Geophysics, Wyd. Cambridge University Press Marcinek J., 1991, Lodowce kuli ziemskiej. Wydawnictwo Naukowe PWN Styszyńska A., 2005. Przyczyny i mechanizmy współczesnego (1982-2002) ocieplenia atlantyckiej Arktyki. Wydawnictwo Akademii Morskiej | eResources addresses | | | |
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| Example issues/ example questions/ tasks being completed | <p>Climate of the Arctic</p> <p>Sea ice, glaciers and ice sheets of the Arctic</p> | | | | | | | | |
| Work placement | Not applicable | | | | | | | | |

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