Subject card

| Subject name and code | Basics of Earth Science, PG_00042798 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Field of study | Environmental Engineering |  |  |  |  |  |  |
| Date of commencement of studies | October 2021 |  | Academic year of realisation of subject |  |  | 2021/2022 |  |
| Education level | first-cycle 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 | 1 |  | Language of instruction |  |  | Polish |  |
| Semester of study | 1 |  | ECTS credits |  |  | 5.0 |  |
| Learning profile | general academic profile |  | Assessment form |  |  | exam |  |
| Conducting unit | Department of Geotechnics, Geology and Marine Civil Engineering -> Faculty of Civil and Environmental Engineering |  |  |  |  |  |  |
| Name and surname of lecturer (lecturers) | Subject supervisor |  | dr hab. Matgorzata Pruszkowska-Caceres |  |  |  |  |
|  | Teachers |  | dr inż. Maria Przewłócka, doc. PG dr hab. inż. Beata Jaworska-Szulc dr hab. Małgorzata Pruszkowska-Caceres |  |  |  |  |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|  | Number of study hours | 30.0 | 15.0 | 15.0 | 0.0 | 0.0 | 60 |
|  | E-learning hours included: 0.0 |  |  |  |  |  |  |
|  | $\begin{aligned} & \text { Adresy na platformie eNauczanie: } \\ & \text { Podstawy nauk o ziemi 2021/2022 - Moodle ID: } 17559 \\ & \text { https://enauczanie.pg.edu.pl/moodle/course/view.php?id=17559 } \end{aligned}$ |  |  |  |  |  |  |
| 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 | 60 |  | 8.0 |  | 60.0 | 128 |
| Subject objectives | Student gets acquainted with internal and external geological processes, their influence on abiotic environment of men; ability to interpret geological maps and cross-sections. |  |  |  |  |  |  |
| Learning outcomes | Course outcome |  | Subject outcome |  |  | Method of verification |  |
|  | [K6_U04] can recognize basic rocks and minerals, can create and read maps and geological and hydrogeological sections; can read and interpret geological documentation |  | Student identifies and describes common rock forming minerals and common rocks - igneous, sedimentary and metamorphic. Student analyzes and interprets geological maps, cross-sections, measurements of layer orientation (the dip and the strike). |  |  | [SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information |  |
|  | [K6_W13] understands processes shaping the surface of the Earth and processes leading to the formation of deposits of mineral, rock and fossil fuels; understands the water cycle in nature, the mechanisms of formation of groundwater resources; has a structured and theoretically founded knowledge in the field of geology, hydrogeology, and hydrology |  | Student describes internal and external geological processes; explains natural geological threats; interprets the influence of geological processes on the Earth's relief and mineral composition. |  |  | [SW1] Assessment of factual knowledge |  |



