No. 5

to Ordinance No. 21/2019

**COURSE/MODULE SYLLABUS FOR UNIVERSITY COURSES/PhD STUDIES**

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|  | Course/module name in Polish and English  Current problems in petrological sciences/Współczesne problemy nauki o skałach | | |
|  | Discipline  Earth and Environmental Science | | |
|  | Language of instruction  English | | |
|  | Teaching unit  Faculty of Earth Science and Environmental Management, Institute of Geological Sciences, Department of Experimental Petrology | | |
|  | Course/module code  USOS | | |
|  | Type of course/module *(mandatory or optional)*  optional | | |
|  | Field of studies (major, if applicable)  Geology (spec. Applied Geoscience) | | |
|  | Level of higher education *(undergraduate (I cycle), Master’s (II cycle), 5 year uniform Master’s studies)*  Master’s (II cycle) | | |
|  | Year of studies *(if applicable*)  I | | |
|  | Semester *(winter or summer)*  winter | | |
|  | Form of classes and number of hours  Seminar: 20 | | |
|  | Name, title/degree of the teacher/instructor  Seminar instructor: Prof. dr hab. Jacek Puziewicz | | |
|  | Course/module prerequisites, in terms of knowledge, skills, social competences  General knowledge and skills acquired during bachelor degree studies in geology or related fields. | | |
|  | Course objectives  The seminar aims to familiarize students with the latest trends and research in the field of petrology. In addition, students learn to work independently with the literature databases (Elsevier, Springer) as well as critical analysis and synthetic compilation of information and how to prepare and present proper oral presentations. | | |
|  | Course content  Students participating in the seminar are designed under the guidance of a teacher and then independently to search relevant information on topics, which currently extend our knowledge in the field of petrology and which are the subject of international discussion. Then, on the basis of information collected student prepares oral presentation showing gathered information. | | |
|  | Intended learning outcomes  P\_W01 Student has knowledge about current research topics undertaken in the field of petrology and knows how to subject it to critical analysis.  P\_U01 Student can find publications and other information on a given topic in the available databases.  P\_U02 Student reads and understands scientific papers and knows how to assess the value of collected contents and select those that are innovative.  P\_U03 Based on the information collected from various sources, student is able to prepare and to present in a synthetic way a multimedia presentation.  P\_K01 Student is aware of the constant making progress in petrological sciences and of need to update their knowledge. | Symbols of learning outcomes for particular fields of studies, *e.g. K\_W01\**, *K\_U05,K\_K03*  K2\_W03, K2\_W04  K2\_U02, K2\_U03  K2\_U03  K2\_U07  K2\_K06 | |
|  | Required and recommended reading *(sources, studies, manuals, etc.)*  Required reading  Scientific journals publishing the latest achievements of researchers working in the field of petrology and related topics (e.g., "Nature Geosciences", "Geology", "Science", "Elements", "Geology Today", "Annual Review of Earth and Planetary Sciences "etc.).  Recommended reading  according to the seminar topic | | |
|  | Assessment methods for the intended learning outcomes:  Oral multimedia presentation. K2\_W03, K2\_W04, K2\_U02, K2\_U03, K2\_U07, K2\_K06. | | |
|  | Credit requirements for individual components of the course/module:  The rating is issued based on oral presentation given during class, taking into account the form and the information contained therein. Positive rating - obtaining at least 60% of the points for the quality of presentation and 60% of the points for its content. Participation in all classes is mandatory | | |
|  | Total student effort | | |
| form of student activities | | number of hours for the implementation of activities |
| classes (according to the plan of studies) with a teacher/instructor:  - seminar: 20 | | 20 |
| student's own work (including group-work) such as:  - consultations: 5  - being prepared for classes: 10  - reading the suggested literature: 15 | | 30 |
| Total number of hours | | 50 |
| Number of ECTS credits | | 2 ECTS |