Annex 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 mineralogical sciences/Aktualne problemy nauk mineralogicznych | | |
|  | Discipline  Earth and Environmental Science | | |
|  | Language of instruction  English | | |
|  | Teaching unit  Faculty of Earth Science and Environmental Management, Institute of Geological Sciences, Department of Mineralogy and 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  Teaching methods: presentation by a student, discussion | | |
|  | Name, title/degree of the teacher/instructor  Coordinator: Dr hab. Marek Awdankiewicz, Prof. UWr.  Seminar instructor: Dr hab. Marek Awdankiewicz, Prof. UWr. | | |
|  | Course/module prerequisites, in terms of knowledge, skills, social competences  Knowledge and skills in chemistry, physics, general geology, mineralogy, petrology at the level of BSc in Earth Sciences. | | |
|  | Course objectives  The goal of the seminar is the acquisition and training of skills in: 1) elaboration of a selected scientific problems based on literature studies, 2) public presentation of the results using multimedia tools, 3) discussion of a scientific problem in a group. The topics of seminar presentations, covering selected problems of broadly defined mineralogical sciences, enable also the students to keep in touch with recent advances in this branch of Earth sciences. | | |
|  | Course content  The topics of the seminar are proposed by the teacher considering the scientific interests of the students. The topics are focused around broadly defined mineralogical sciences, in particular their advances in recent years. | | |
|  | Intended learning outcomes  P\_W01 Student has a thorough knowledge on the selected problem he works on, tied to broader knowledge on mineralogical sciences and their methods, acquired during the studies.  P\_W02 Student has a thorough knowledge from selected disciplines of Earth sciences, in particular from the mineralogical sciences.  P\_U01 Student can use scientific publications, critically analyze scientific information and asses its importance in mineralogical sciences.  P\_U02 Student is able to elaborate a scientific problem under supervision of a researcher.  P\_U03 Student can refer the results of literature studies and undertake a scientific discussion on these problems.  P\_K01 Student systematically updates his knowledge in Earth sciences through reading scientific and popular science journals on natural sciences. | Symbols of learning outcomes for particular fields of studies, *e.g. K\_W01\**, *K\_U05,K\_K03*  K2\_W01, K2\_W02, K2\_W03  K2\_W08  K2\_U02  K2\_U04  K2\_U07  K2\_K06 | |
|  | Required and recommended reading *(sources, studies, manuals, etc.)*  Required reading  Publications indicated by the teacher, e.g. papers published in the journal Elements or in other leading magazines in mineralogical sciences. | | |
|  | Assessment methods for the intended learning outcomes:  Individual oral presentation and participation in discussion on other presentations. K2\_W01, K2\_W02, K2\_W03, K2\_W08, K2\_U02, K2\_U04, K2\_U07, K2\_K06. | | |
|  | Credit requirements for individual components of the course/module:  The participation in the seminars is obligatory according to the general rules of study. The evaluation of student’s work is based on: 1) the oral presentation given (contents, scientific level, way of presentation), weight 60%, 2) written abstract of the presentation, weight 20%, 3) active participation in discussion during seminars, weight 20 %. | | |
|  | 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:  - consultation: 5  - preparation of presentation with abstract: 15  - reading the suggested literature: 10 | | 30 |
| Total number of hours | | 50 |
| Number of ECTS credits | | 2 |