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  MSc seminar II/Seminarium dyplomowe II | | |
|  | Discipline  Earth and Environmental Science | | |
|  | Language of instruction  English | | |
|  | Teaching unit  Faculty of Earth Science and Environmental Management, Institute of Geological Sciences, Department of Isotopic and Applied Geology | | |
|  | Course/module code  USOS | | |
|  | Type of course/module *(mandatory or optional)*  mandatory | | |
|  | 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*)  II | | |
|  | Semester *(winter or summer)*  summer | | |
|  | Form of classes and number of hours  Seminar: 20  Teaching methods  presentation, discussion | | |
|  | Name, title/degree of the teacher/instructor  Coordinator: Prof. dr hab. Mariusz Jędrysek, Dr Wojciech Drzewicki  Seminar instructor: Prof. dr hab. Mariusz Jędrysek, Dr Wojciech Drzewicki | | |
|  | Course/module prerequisites, in terms of knowledge, skills, social competences  Knowledge , skills and competence gained during bachelor study. | | |
|  | Course objectives  The aim of the seminar is to acquire Skills present in oral form their own research results scientific contained in the thesis. The seminar program includes a final presentation of the results of research and public discussions. | | |
|  | Course content  Participant of the seminar prepares oral presentation the test results contained in the thesis. | | |
|  | Intended learning outcomes  P\_W01 has knowledge of developed a problem associated with obtained in the course of study they know about the problems of Earth Sciences and used them in modern research methodsin them.  P\_W02 knows the general principles of research planning using techniques and tools applied research in geology.  P\_W03 has knowledge of selected disciplines of geology (in particular geology exploration, hydrogeology, mineralogy and petrology used, and environmental geochemistry waste management).  P\_U01 uses scientific literature geological sciences in Polish and English.  P\_U02 can analyze and make a choice in the field of information geological sciences.  P\_ U03 can perform tasks research under the guidance of supervisor scientific.  P\_U04 can use methods and specialized statistical techniques and tools for the description of phenomena and data analysis, collect and interpret empirical data and data from different sources.  P\_U05 is able to present the results of their research and make scientific discussion with experts selected discipline of geological sciences.  P\_U06 demonstrates the ability to plan their career or academic.  P\_K01 systematically monitors and updates knowledge of the earth sciences through familiarity with magazines research with natural sciences.  P\_K02 is able to think and act in a manner enterprising including the rules of ethics. | Symbols of learning outcomes for particular fields of studies, *e.g. K\_W01\**, *K\_U05,K\_K03*  K2\_W01, K2\_W02, K2\_W03  K2\_W06  K2\_W08  K2\_U02  K2\_U02  K2\_U04  K2\_U05  K2\_U07  K2\_U08  K2\_K06  K2\_K07 | |
|  | Required and recommended reading *(sources, studies, manuals, etc.)*  Required reading: As recommended by the supervisor of the master thesis.  Recommended reading: As recommended by the supervisor of the master thesis. | | |
|  | Assessment methods for the intended learning outcomes:  - oral presentation (individual) and participation in the discussion. K2\_W01, K2\_W02, K2\_W03, K2\_W06, K2\_W08, K2\_U02, K2\_U04, K2\_U05, K2\_U07, K2\_U08, K2\_K06, K2\_K07. | | |
|  | Credit requirements for individual components of the course/module:  - positive assessement of an individual presentation given by a student,  - attendance 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  - consultations: 5 | | 25 |
| student's own work (including group-work) such as:  - preparation of results: 10  - reading the suggested literature: 15 | | 25 |
| Total number of hours | | 50 |
| Number of ECTS credits | | 2 |