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 EnglishRegional geology of Poland/Geologia regionalna Polski |
|  | DisciplineEarth and Environmental Science |
|  | Language of instructionEnglish |
|  | Teaching unitFaculty of Earth Science and Environmental Management, Institute of Geological Sciences, Department of Physical Geology |
|  | Course/module codeUSOS |
|  | Type of course/module *(mandatory or optional)*optional |
|  | Field of studies (major, if applicable)Geology |
|  | Level of higher education *(undergraduate (I cycle), Master’s (II cycle), 5 year uniform Master’s studies)*Undergraduate (I cycle) |
|  | Year of studies *(if applicable*)III |
|  | Semester *(winter or summer)*summer |
|  | Form of classes and number of hoursLectures: 33Teaching methodsMultimedia lecture |
|  | Name, title/degree of the teacher/instructorCoordinator: dr hab. Jacek Szczepański, prof UWrLecturer: dr hab. Jacek Szczepański, prof UWr |
|  | Course/module prerequisites, in terms of knowledge, skills, social competences Knowledge in the field of tectonics, historical and ore geology. |
|  | Course objectivesLectures provide background knowledge in the area of regional geology of Europe. |
|  | Course contentGeology and evolution of several units are discussed including: East European Craton, Trans European Suture Zone, German-Polish Caledonides, Holy Cross Mts., German-Polish Basin, Carpathians, Cenozoic volcanism in Europe, Central European Variscan Belt (CEVB) with emphasis put on Sudetes Mts. and traces of Cadomian basement preserved within CEVB. Presented are also geodynamic models describing the evolution of rock complexes cropping out in Europe. |
|  | Intended learning outcomes W\_1 Has knowledge in the field of geology of Poland as a part of Central Europe with emphasis on Lower Silesia.U\_1 Can identify on geological map of Poland and describe important fragments of crystalline basement, Permo-Mesozoic and Cenozoic cover as well as Mesozoic and Cenozoic volcanics of Central European Volcanic Province.U\_2 Critically evaluate the presented data and is able to draw conclusions on the basis of data derived from different sources.U\_3 Read professional literature in English | Symbols of learning outcomes for particular fields of studies,K1\_W06K1\_U06K1\_U13K1\_U11 |
|  | Required and recommended reading *(sources, studies, manuals, etc.)*Required reading:Narkiewicz (2021) Geologiczna historia Polski. Wydawnictwa Uniwersytetu Warszawskiego.McCann, T. (ed.) 2008. The Geology of Central Europe, Volumes 1 and 2. Volume 1: Precambrian and Palaeozoic; Volume 2: Mesozoic and CenozoicMazur, S., Aleksandrowski, P., Kryza, R. & Oberc-Dziedzic, T., 2006. The Variscan Orogen in Poland. Geogical Quarterly, 50(1), 89-118.Recommended reading:Mazur S, Aleksandrowski P, Szczepański J. 2010. Zarys budowy i ewolucji tektonicznej waryscyjskiej struktury Sudetów. *Przegląd Geologiczny* 58(2):133–145.Regionalizacja tektoniczna Polski 2008. Zbiór artykułów. Przegląd Geologiczny, 56: 887-938.Żelaźniewicz, A., 2005. Zarys geologii Dolnego Śląska. W: Fabiszewski, J. (Ed) Przyroda Dolnego Śląska. Polska Akademia Nauk. Oddział we Wrocławiu: 70-134.Chopin, F., K. Schulmann, E. Skrzypek, J. Lehmann, J. R. Dujardin, J. E. Martelat, O. Lexa, 2012. Crustal influx, indentation, ductile thinning and gravity redistribution in a continental wedge: Building a Moldanubian mantled gneiss dome with underthrust Saxothuringian material (European Variscan belt). Tectonics 31, nr 1. doi:10.1029/2011TC002951.Schulmann, K, Konopásek J, Janousek V, Lexa O, Lardeaux JM, Edel JB, Stípská P, i Ulrich S. 2009. An Andean type Palaeozoic convergence in the Bohemian Massif. Comptes Rendus Geosciences 341, nr 2–3: 266–286. |
|  |  Assessment methods for the intended learning outcomes:- written examination K1\_W06, K1\_U06, K1\_U11, K1\_U13 |
|  | Credit requirements for individual components of the course/module:-written exam (positive result - 50% of total points). |
|  | 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:- lectures: 33- consultations: 5- exam: 2 | 40 |
| student's own work (including group-work) such as:- being prepared for classes: 10- reading the suggested literature: 12- preparing for exam: 16 | 38 |
| Total number of hours | 78 |
| Number of ECTS credits | 3 |