

### COURSE OF DOCTORAL STUDIES

Course title	Field of science (branch) code	University / Faculty	Institute / Department
<b>Geology of Baltic countries</b>	Natural Sciences (Geology) N 005	Vilnius University / Faculty of Chemistry and Geosciences	Institute of Geosciences /
Study methods	Number of credits allocated	Study methods	Number of credits allocated
Lectures		Seminars	
Individual work	<b>11</b>	Consultations	
<b>Course annotation</b>			
<p>The aim of the course is to introduce PhD students in detail to the geological structure, geological development and useful fossils of the Baltic countries.</p> <p>The study subject will introduce the tectonic region and geological structures of Lithuania, Latvia, Estonia and neighboring countries, general geological features of the crystalline foundation, Ediacaran, Cambrian, Ordovician, Silurian, Devonian, Carboniferous, Permian, Triassic, Jurassic, Cretaceous, Paleogene and stratigraphy of Neogene systems, lithological composition, and minerals resources. At the same time, students will get acquainted with the geological development of the mentioned region throughout the entire geological history of the Earth.</p>			
<b>Required readings</b>			
Paškevičius J. 1997. The Geology of the Baltic Republic. Lithuania Geological Survey, 388 p.			
McCann, T. (Ed.). 2008. The geology of Central Europe. Geological Society of London, 1,2 vol.			
Šliaupa, S., & Hoth, P. 2011. Geological evolution and resources of the Baltic Sea area from the Precambrian to the Quaternary. In The Baltic Sea Basin (pp. 13-51). Springer, Berlin, Heidelberg.			
Consulting lecturers Name, surname	Degree	The most important works in the field of science (branch) have been published during the last 5 years	
<b>Sigitas Radzevičius</b>	<b>Dr.</b>	<b>Radzevičius S.</b> , Spiridonov A., Brazauskas A., Dankina D., Rimkus A., Kaminskas D., Meidla T., Ainsaar L. 2016. Integrated stratigraphy, conodont turnover and palaeoenvironments of the upper Wenlock and Ludlow in the shallow marine succession of the Vilkaviškis – 134 core (Lithuania). Newsletters on Stratigraphy, 49(2): 321–336.	

		<p><b>Radzevičius S.</b>, Tumakovaitė B., Spiridonov A. 2017. Upper Homeric (Silurian) high-resolution correlation using cyclostratigraphy: an example from western Lithuania. <i>Acta Geologica Polonica</i>, 67(2): 307–322.</p> <p><b>Radzevičius, S.</b>, Raczynski, P., Užomeckas, M., Norkus, A., Spiridonov, A. 2019. Graptolite turnover and <math>\delta^{13}\text{C}_{\text{org}}</math> excursion in the upper Wenlock shales (Silurian) of the Holy Cross Mountains (Poland). <i>Geologica Carpathica</i>, 70(3): 209–221.</p> <p><b>Radzevičius, S.</b> Raczynski, P., Whittingham, M. 2020. The Lower Homeric (Silurian) <i>Pristiograptus</i> from Zdanów section of Bardo Mountains (Sudetes, Poland) and its palaeobiogeographic implications. <i>Bulletin of Geosciences</i> 95(2): 231–242.</p>
Approved by the doctoral committee of Geology (N 005) on 1 <sup>st</sup> of December 2022 (No. (7.17 E) 15600-KT-467).		
Committee Chairman prof. dr. Sigitas Radzevičius		