

DOCTORAL SUBJECT SUB-UNIT

Subject name	Field of study (branch) code	Faculty	Department
The Eastern Baltic Region in the Context of Food Globalization	History and Archaeology H 005	Faculty of History	Department of Archaeology

Mode of study	Number of credits ECTS	Mode of study	Number of credits ECTS
lectures		consultations	2
individual	4	Seminars/lab works	2,5

Total 7,5

Subject annotation
<p>The course will cover the issues of plant domestication and animal domestication, how and when cultivated plants and domesticated animal species spread around the world from their centers of cultivation/domestication, and how they have influenced the environment and the development of humanity. It will also discuss the impact of geographical margins on the globalization of food and the adaptation of plants and animals to changes in natural conditions. These issues will be linked to the original distribution of cultivated plants and animals in the Eastern Baltic region, and the course will also consider the essential features of the productive economy in Northern latitudes.</p> <p>The course will provide an introduction to the main methods of research on food globalization processes and palaeoenvironmental studies, their concrete application in the archaeological material of the Eastern Baltic region, and the latest scientific literature.</p> <p>The course will also aim to develop the Ph.D. student's research skills and provide theoretical and methodological competencies useful for writing a thesis. The course will be graded according to the doctoral student's research area, needs, and the empirical research methods used in the work. The course can be taught in both English and Lithuanian.</p>
Key literature
Boivin, N., Fuller, D. Q. & Crowther, A. Old World globalization and the Columbian exchange: comparison and contrast. <i>World Archaeology</i> . 44, 452–469. https://doi.org/10.1080/00438243.2012.729404 (2012).
Jones, M., Hunt, H., Lightfoot, E., Lister, D., Liu, X., Motuzaite-Matuzeviciute, G., 2011. Food globalization in prehistory. <i>World Archaeology</i> , 43, 665–675.
Meyer, Rachel S., Ashley E. DuVal, and Helen R. Jensen. 2012. Patterns and Processes in Crop Domestication: An Historical Review and Quantitative Analysis of Global Food Crops. <i>New Phytologist</i> 196 (1): 29–48.
Scott, J.C. 2018. <i>Against the Grain. A deep history of the earliest state</i> . Yale University Press, USA.
Stephens, L. , Motuzaite Matuzeviciute et <i>et.al.</i> 2019. Archaeological assesment reveals Earth’s early transformation though land use. <i>Science</i> 365: 897-205.
Liu X, Jones PJ, Motuzaite Matuzeviciute G., Hunt HV, Lister DL, An T, Przelomska N, Kneale CJ, Zhao Z, Jones MK (2019) From ecological opportunism to multi-cropping: Mapping food globalisation in prehistory. <i>Quaternary Science Reviews</i> 206:21-28
Grikpedis, M., & Motuzaite Matuzeviciute, G. 2017. A Review of the Earliest Evidence of Agriculture in Lithuania and the Earliest Direct AMS Date on Cereal. <i>European Journal of Archaeology</i> 21,2: 264-279. doi: 10.1017/ea.2017.36.
Grikpedis, M., Motuzaite Matuzeviciute, G. 2016. The beginnings of rye (<i>Secale cereale</i>) in the East Baltics. <i>Vegetation History and Archaeobotany</i> 25, 6: doi:10.1007/s00334-016-0587-6

Jones, MK., Hunt, H., Kneale, C., Lightfoot, E., Lister, D., Liu, X. and Motuzaite-Matuzeviciute, G. 2016. *Food globalisation in prehistory: The agrarian foundations of an interconnected continent. Journal of British Academy* 4, pp. 73-87. [Doi: 10.5871/jba/004.073](https://doi.org/10.5871/jba/004.073)

Supervising lecturers' names and surnames	Academic degree	Major works in the field (branch) published in the recent 5 years
Giedrė Motuzaite Matuzevičiūtė Keen	Dr., Associate Professor	<p>Giedrė Motuzaite Matuzevičiūtė, Auksė Rusteikytė, Karolis Minkevičius, Monika Žekaitė, Linas Tamulynas. 2020. FROM BRONZE AGE HILLFORT TO CAPITAL CITY. New radiocarbon dates and the first archaeobotanical investigation at the Vilnius Castle Hill. <i>Acta Archaeologia</i>. Volume 91, Issue 2. https://doi.org/10.1111/j.1600-0390.2020.12227.x</p> <p>Motuzaite Matuzeviciute, G. & Liu, X. 2020. Prehistoric Agriculture in China: Food Globalisation in Prehistory. <i>Oxford Research Encyclopedia of Environmental Science</i>. Oxford University Press: New York (online first). 10.1093/acrefore/9780199389414.013.168</p> <p>Motuzaite Matuzevičiūtė, G. Rusteikytė, A. 2018. Kaip archeologai rekonstruoja ką valgėme? Eksperimentinė archeologija. Lietuvos materialaus paveldo rekonstrukcija. II tomas. Sudarytoja D. Luchtanienė. Akademinė leidyba, Vilnius.</p> <p>Motuzaite Matuzeviciute, G., Hermes, R.H., Mir-Makhamad, B., Tabaldiev, K. 2020. A package of southwest Asian grain crops facilitated high-elevation agriculture in the central Tien Shan during the mid-third millennium BCE. <i>PlosOne</i>. Doi: 10.1101/2020.02.06.936765</p> <p>Itahashi, Y., Ananyevskaya, E., Yoneda, M., Venytresca Miller, A., Nishiaki, Y., Motuzaite Matuzeviciute, G. 2020. Dietary diversity of Bronze-Iron Age populations of Kazakhstan quantitatively estimated through the compound-specific nitrogen analysis of amino acids. <i>Journal of Archaeological Science: Reports</i> 33, 102565 https://doi.org/10.1016/j.jasrep.2020.102565</p> <p>Matuzeviciute, G. M., A. Abdykanova, S. Kume, Y. Nishiaki and K. Tabaldiev (2018). "The effect of geographical margins on cereal grain size variation: Case study for highlands of Kyrgyzstan. <i>Journal of Archaeological Science: Reports</i> 20: 400-410. https://doi.org/10.1016/j.jasrep.2018.04.037</p>

		<p>Motuzaitė-Matuzevičiūtė, G. The earliest appearance of domesticated plant species and their origins in the western fringes of the Eurasian Steppe. <i>Documenta Praehistorica</i>, XXXIX, pp 1-21, 2012. DOI: https://doi.org/10.4312/dp.39.1</p> <p><u>Motuzaitė Matuzevičiūtė, G.</u> 2020. The adoption of agriculture: archaeobotanical studies and the earliest evidence for domesticated plants. In Lillie, M.C. & Potekhina, I.D., <i>The prehistoric Ukraine. From the first hunter to the first farmers</i>, pp. 309-325. Oxbow books: Oxford. ISBN 978-1-78925-458-7.</p> <p>Griķpēdis, M., Motuzaitė Matuzevičiūtė, G. 2020. From barley to buckwheat: Plants cultivated in the Eastern Baltic region until the 13th-14th century AD. In S. Vanhanen & P. Lagerås, (Eds.) <i>Archaeobotanical studies of past plant cultivation in northern Europe</i>. Advances in Archaeobotany. Barkhuis: Netherlands.</p>
<p>Approved by the Doctoral Committee of History and Archaeology 24 October 2024, No 15600-KT-510</p>		
<p>Chair of the Doctoral Committee Prof. habil. dr. Tamara Bairašauskaitė</p>		