

Subject name:/code:	Elective course 6. Physical Anthropology and Bioarcheology in the Service of Archeological Research BTR-DK-753A
Subject coordinator:	Doktori programvezető
Lecturer(s) of the subject:	Dr. Mende, Balázs Gusztáv
Credit number:	10
Class type	Practice
Brief subject description:	The course introduces anthropological and archaeogenomic research related to contemporary archaeological studies, exploring their connection to the field.
Theoretical knowledge to be acquired:	Students on this course will become familiar with the conceptual frameworks of anthropological research, as well as the scientific frameworks and research questions of archaeogenomic studies. They will also gain an understanding of the types of data used and how related disciplines work with them.
Practical knowledge to be acquired:	Students on this course will learn about the current state of, and research methods used in, anthropological and archaeogenomic studies related to archaeological research. They will become familiar with the archaeological and historical questions these scientific fields pose, as well as the interpretive frameworks used to analyse their findings.
List of the most important required literature (2–4 pieces) with bibliographical details (author, title, edition or specific pages, ISBN)	Dániel Gerber–Veronika Csáky–Bea Szeifert– Noémi Borbély–Kristóf Jakab–György Mező–Zsolt Petkes– Frigyes Szücsi–Sándor Évinger–Csilla Líbor–Piroska Rácz–Krisztián Kiss–Balázs Gusztáv Mende–Béla Miklós Szőke–Anna Szécsényi-Nagy: Ancient genomes reveal Avar-Hungarian transformations in the 9th-10th centuries CE Carpathian Basin. <i>Sci. Adv.</i> 10, eadq5864 (2024) 18 December 2024. DOI: 10.1101/2024.05.29.596386 Balázs Gyuris–Leonid Vyazov– Attila Türk–Pavel Flegontov–Bea Szeifert–Péter Langó–Balázs Gusztáv Mende– Veronika Csáky–Andrey A. Chizhevskiy–Ilgizar R. Gazimzyanov–Aleksandr A. Khokhlov–Aleksandr G. Kolonskikh–Natalia P. Matveeva–Rida R. Ruslanova–Marina P. Rykun–Ayrat Sitdikov–Elizaveta V. Volkova–Sergei G. Botalov–Dmitriy G. Bugrov– Ivan V. Grudochko: Long shared haplotypes identify the southern Urals as a primary source for the 10th-century Hungarians. <i>Cell</i> 188, 6064–6078, October 16, 2025. DOI: 10.1101/2024.07.21.599526.
List of the most important recommended literature (2–4 pieces) with bibliographical details (author, title, edition or specific pages, ISBN)	Bea Szeifert–Dániel Gerber–Veronika Csáky–Péter Langó–Dmitrii Alekseevich Stashenkov–Aleksandr Aleksandrovich Khokhlov–Ayrat Gabitovich Sitdikov–Ilgizar Ravil'evich Gazimzyanov–Elizaveta Valer'evna Volkova–Natalia Petrovna Matveeva–Alexander Sergejevich Zelenkov–Olga Evgen'evna Poshekhonova–Anastasiia Viktorovna Sleptsova–Konstantin Gennadievich–Karacharov–Viktoria Vladimirovna Ilyushina–Boris Aleksandrovich Konikov–Flarit Abdulhaevich Sungatov–Alexander Gennadievich Kolonskikh–Sergei Gennad'evich Botalov–Ivan Valer'evich Grudochko–Oleksii Komar–Balázs Egyed–Balázs Gusztáv Mende–Attila Türk–Anna Szécsényi-Nagy: Tracing genetic connections of ancient Hungarians to the 6-14th century populations of the Volga-Ural region. <i>Cold Spring Harbor Laboratory</i> 2022. DOI: 10.1101/2022.02.04.478947

	Simon Mays: <i>The Archaeology of Human Bones</i> . Routledge London 2021.	
Theory to practice ratio	Number of theory lessons:	Number of theory lessons:
Applied teaching methods:	The course follows a three-part system. Some classes are conducted as lectures, while in others, students prepare independently on assigned topics. They then discuss and review the results of their preparation with the seminar leader in group discussions.	
Form of evaluation:	practice mark	
Evaluation criteria:	The assessment is based on continuous measurement of in-class participation, concluding with the preparation of an independent research proposal by the end of the semester. To successfully complete the course, you must demonstrate a high level of mastery of the assigned literature.	
Contribution of the subject to the acquisition of competence elements as defined in the Training and Outcome Requirements Elaborate on how competence elements specified in the Training and Outcome Requirements are/may be achieved (<i>Note: do not simply copy the competence elements from the Training and Outcome Requirements</i>)	The course develops lexical knowledge and analytical skills related to archaeological materials. It also fosters critical thinking, problem-solving strategies and the ability to organise and interpret studied material. It fosters complex thinking and encourages a multifaceted approach to examining specific questions. The course also promotes the differentiated and combined use of methodologies from various source disciplines, particularly anthropology and archaeogenomics. The course prepares students for future interdisciplinary projects.	