



Syllabus Course Program

DIGITAL HISTORY

**Specialty**

053 Psychology

Educational program

Psychology

Level of education

Bachelor's level

Semester

7

Institute

Social and Humanitarian Technologies

Department

Ukrainian Studies, Cultural Studies and History of Science (310)

Course type

Professional, optional

Language of instruction

English

Lecturers and Course Developers



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Ph.D., Associate Professor

Associate Professor of the Department of Ukrainian Studies, Cultural Studies and History of Science

Author of more than 90 scientific and educational and methodological works.

More details about Shyshkina Yevheniia on the website of the department
<https://web.kpi.kharkov.ua/ukin/vikladachi>

General Information

Summary

The discipline covers the development of digital history. During its study students will get acquainted with the subject of digital history, its development, connections with other interdisciplinary areas, such as digital humanities. They will also study the influence of digital technologies on historical science and education, get know about the main digital projects in the field of history.

Course Objectives and Goals

The main goal of the discipline is the formation of knowledge, skills and abilities in certain areas of digital history such as: methods of authentication and analysis of digital and digitized sources, methods and tools of digitization of historical sources, familiarization with the largest virtual digital collections, projects, three-dimensional modeling of historical and cultural heritage, familiarity with public history and crowdsourcing.

Format of Classes

Lectures – 32 h., Seminars – 32 h., self-study – 56 h. Final control in the form of a credit test.

Competencies

GC01. The ability to realize one's own rights and duties as a member of society, understand the values of civil (democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine.

GC02. The ability to maintain and to strengthen the moral, cultural, scientific values and to increase achievements of society by understanding the history and regularities in the development of the professional field, its place in the overall system of knowledge about nature and society and in the development of society and technology; to use different types and forms of physical activity for recreation and healthy lifestyles

GC09. The ability to learn and to master modern knowledge.

Learning Outcomes

LO 01. To know the rights and duties as a member of society, be aware of the values of civil society, the rule of law, human and citizen rights, and freedoms in Ukraine.

LO 02. To protect moral, cultural, scientific values and to increase achievements of society, to use different types and forms of physical activity for maintaining a healthy lifestyle.

LO 16. To demonstrate skills of independent work, flexible thinking, openness to new knowledge, to be critical and self-critical.

Student Workload

The total volume of the course is 120 hours (4 ECTS credits): lectures – 32 hours, seminars – 32 hours, self-study – 56 hours.

Course Prerequisites

History and Culture of Ukraine, History of University Education, History of Money

Features of the Course, Teaching and Learning Methods, and Technologies

Methods of stimulation and motivation of educational and cognitive activity: explanatory and illustrative (use of sources, multimedia tools), problem-based teaching (discussions). Methods of organization and implementation of educational and cognitive activities: search, research (performance of individual creative tasks, criticism of sources and work on the results presentation), and methods of control and self-control for the effectiveness of educational and cognitive activities: testing, preparation individual works.

Program of the Course

Topics of the Lectures

Lecture 1-2. The concept and content of "digital history". Its directions.

Lecture 3-4. Digital historical sources. Methods of their criticism.

Lecture 5-6. Digitization of historical sources: tools, technologies, goals, limitations.

Lecture 7-8. History and typology of digital projects.

Lecture 9-10. Digital historical collections.

Lecture 11-12. Visualization of data and research results.

Lecture 13-14. Audiovisual historical sources. Public history.

Lecture 15-16. E-learning: methods and forms.

Topics of the Seminars

Seminar 1-2. Quantitative history, cliometry, historical informatics. Statistical approach in history.

Seminar 3-4. Historical science in the digital age. Search and authentication of digital sources.

Seminar 5-6. World experience in digitizing historical sources.

Seminar 7-8. Search services and systems in historical science and education. Evolution of digital projects

Seminar 9-10. Digital expansion of access to historical and cultural heritage. Museums and libraries in the digital age.

Seminar 11-12. Visualization of historical data. 3d projects in historical science.

Seminar 13--14. Source criticism of audio and video. Crowdsourcing in the creation of historical resources.

Seminar 15-16. Technologies and tools of electronic historical education. Promising areas of intellectual learning.

Self-study

1. Informational support for historical research
2. Digital editions. Models of electronic texts.
3. Corpus linguistics and historical research.
4. Methods of criticism of visual digital sources.
5. Three-dimensional scientific modeling of historical and cultural heritage.
6. Mathematical methods in historical research.
7. Big Data in historical research.
8. Intelligent image analysis
9. Machine learning.
10. Reference-encyclopedic, bibliographic services and resources.
11. Historical informatics and digital history.
12. Methods and technologies of text structuring
13. Historical geoinformatics.
14. Public digital space.

Course Materials and Recommended Reading

1. Anderson I. (2008) History and Computing. In: *The Institute of Historical Research* http://www.history.ac.uk/makinghistory/resources/articles/history_and_computing.html
2. Ayers, Edward L. (1999) The Pasts and Futures of Digital History. University of Virginia. <http://www.vcdh.virginia.edu/PastsFutures.html>
3. Boonstra, Onno; Breure, Leen; Doorn, Peter (2004) *Past, Present and Future of Historical Information Science*. Amsterdam.
4. Braake, Serge ter; Fokkens, Antske; Ockeloen, Niels; Son, Chantal van. (2016) Digital History: Towards New Methodologies. In: B. Bozic, G. Mendel-Gleason, C. Debruyne, & D. O'Sullivan (Eds.), *Computational History and Data-Driven Humanities – Second IFIP WG 12.7 International Workshop, CHDDH 2016, Dublin, Ireland, May 25*, PP. 23-32.
5. Cohen, Daniel J.; Rosenzweig, Roy. (2005) Digital History: A Guide to Gathering, Preserving, and Presenting the Past on the Web. <http://chnm.gmu.edu/digitalhistory/introduction/>
6. Darnton, Robert (1999) The New Age of the Book. In: *New York Review of Books*, March 19. <https://www.nybooks.com/articles/1999/03/18/the-new-age-of-the-book/>
7. Dougherty, Jack; Nawrotzki, Kristen (ed.) (2013) *Writing History in the Digital Age*. University of Michigan Press.
8. Mawdsley, Evan; Munck (1993) *Thomas Computing for Historians: an Introductory Guide*, Manchester.
9. McCrank L. J. (2001) *Historical Information Science: An Emerging Unidiscipline*. New Jersey.
10. Rohen D. (2004) Digital History: The Raw and the Cooked. In: *Rethinking History*. Vol. 8. № 2 (June). P.337
11. Rosenzweig R. (2011) *Clio Wired: The Future of the Past in the Digital Age*. New York.
12. Seefeldt, Douglas; Thomas, William G. (2009) What is Digital History? In: *Perspectives on History*. May 1. <https://www.historians.org/publications-and-directories/perspectives-on-history/may-2009/what-is-digital-history>
13. Speck, W. A. (1994) History and computing: some reflections on the past decade, In: *History and Computing*, 6 (1), PP. 28–32.
14. Zaagsma, Gergen (2013) On Digital History. BMGN. In: *Low Countries Historical Review*, 128, PP. 3–29.

15. Куліков, Володимир (2013) Digital history: становлення, сучасний стан, перспективи. In: *Спеціальні історичні дисципліни*. 21. PP. 27-44.
http://resource.history.org.ua/publ/sid_2013_21_27

Assessment and grading

Criteria for assessment of student performance, and the final score structure

Current assessment (60%), test (20%), individual project (20%).

Grading scale

Total points	National	ECTS
90-100	Excellent	A
82-89	Good	B
75-81	Good	C
64-74	Satisfactory	D
60-63	Satisfactory	E
35-59	Unsatisfactory (requires additional learning)	FX
1-34	Unsatisfactory (requires repetition of the course)	F

Norms of academic integrity and course policy

Students at NTU "KhPI" are required to uphold the Code of Ethics for Academic Relations and Integrity, which emphasizes the importance of demonstrating discipline, good manners, kindness, honesty, and responsibility. In the event of conflict situations, it is expected that students openly discuss the issues within their academic groups, seeking resolution with the guidance of their lecturer. Should a conflict remain unresolved, it is necessary to escalate the matter to the attention of the Institute's management for further assistance.

Regulatory and legal documents related to the implementation of the principles of academic integrity at NTU "KhPI" are available on the website: <http://blogs.kpi.kharkov.ua/v2/nv/akademichna-dobrochesnist/>

Approval

Approved by

Date, signature

Head of the department
Olena TVERYTNYKOVA

Date, signature

Guarantor of the educational
program