



Certificate in Digital Humanities

2025/2026

Welcome note

Dear students,

We are delighted to welcome you to this brief guide to our certified training program in Digital Humanities. This handbook offers an overview of the program's structure, core topics, and requirements, as well as practical information on how to apply and what to expect during your studies.

Whether you are new to the field or looking to enhance your digital research skills, this program provides a solid foundation in the tools, methods, and critical approaches that define Digital Humanities today.

We look forward to supporting your learning journey!



About the program

The Certificate in Digital Humanities is an **interdisciplinary program** that bridges the humanities and social sciences with digital technologies and data analysis methods. Participants in the program will acquire practical skills in data work—learning how to locate and process large datasets, analyze texts using machine learning tools, create visualizations, interpret statistical outputs, and apply AI methods to specific research questions.

The program is designed for students at all levels of study (Bachelor's, Master's, and Doctoral) with no or minimal prior technical training. It offers a clear and methodologically robust introduction to the field of Digital Humanities. **Emphasis is placed on the practical application of the acquired skills in the design and execution of independent research projects.**

The skills gained through the program are valuable not only for writing theses or conducting academic research but also in professional settings—such as media, cultural and memory institutions, non-profit organizations, public administration, or the private sector—where there is a growing demand for the ability to interpret and visualize data. The program equips students with fundamental data literacy and digital competencies that are increasingly sought after across disciplines.

Upon successful completion of all courses, students will receive an official certificate signed by the directors of the Institute of International Studies (IMS), Faculty of Social Sciences and Institute of Formal and Applied Linguistics (ÚFAL), Faculty of Mathematics and Physics. The earned ECTS credits can also be included in students' individual study plans within SIS (e.g., as elective or optional courses), and all completed courses will be listed in the official academic transcript.

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What you get

Topics discussed

- Introduction to R & RStudio
 - Linguistic analysis
 - Qualitative coding
 - Machine learning
 - Principles of deep learning
 - Data visualisation
- and many more!

Learning Objectives

1. Solve complex SSH tasks using computational methods
2. Develop a research design by identifying appropriate methodology
3. Develop your own datasets
4. Reflect on the research results and optimize the used methodology

Program structure

The program consists of four thematically interconnected courses that progressively develop both practical and theoretical competencies in the field of Digital Humanities.

Winter semester

JTB166 / JTM078

Introduction into Digital Humanities and Advanced Computer Literacy

This introductory course acquaints students with the fundamental concepts and methods in the field of Digital Humanities. Emphasis is placed on the practical application of computational thinking, data work, and quantitative approaches within research projects. Students will learn the basics of text analysis (e.g., topic modelling, sentiment analysis, stylometry), network analysis, data visualization, and the use of GIS tools, while implementing the methods and tools acquired in course 2. “Data Analysis in R”. Teamwork producing a research proposal constitutes an integral part of the course.

More information available in [SIS](#).

NPFL112

Data Science in R for Students of Humanities

This course focuses on the basics of programming and data handling using the R language. Students will learn to clean and transform data, work with tables and graphs, create visualizations, and apply basic descriptive and exploratory statistical methods. Emphasis is placed on developing practical skills that can be applied across various research topics.

More information available in [SIS](#).

Program structure

Summer semester

NPFL142

Artificial Intelligence for Humanities

In this course, students will acquire both theoretical knowledge and practical skills necessary for addressing real-world problems using available data and artificial intelligence methods, particularly in the field of text analysis. To this end, they will learn to use tools implemented in the R programming environment and to independently navigate technical literature. The course includes an independent final project in which students apply the acquired skills to their own research problem. Upon completion, students will be capable of analyzing and processing data from various domains within the humanities and social sciences and of using this data to experiment with artificial intelligence.

More information available in [SIS](#).

Detailed webpage about this course available [here](#).

NPFL143

Data Processing and Analysis for the Humanities

This course introduces students to the fundamentals of working with data in the R software environment. Teaching is conducted through practical examples and gradually guides participants toward independent problem-solving-- from data import and transformation to visualization and interpretation. The course is designed to meet the needs of humanities students without prior mathematical training.

More information available in [SIS](#).

Study obligations & program organization

- All four courses are compulsory, but completion can be extended across two academic years
- You will receive continuous personalized feedback and support from the program lecturers
- The program organizes research seminars as milestone events, where the students exchange ideas for their projects and are encouraged to actively participate in the DH community
- In order to complete the Certificate, you will be designing your final project throughout the courses and defending it at the end of Semester II.



How to enroll

Students interested in enrolling in the Certificate in Digital Humanities program are asked to fill in the following form by September 21, 2025.

You can find the application form [here](#).



Enrollment form

To successfully complete the form, you need to fill in some basic information about yourself and attach a brief, structured CV and a motivation letter (one A4 max).

If you have any follow-up questions, please contact us at tomas.kosek@fsv.cuni.cz.

Please, do not use this email address for the application.

Applications that are not made through the form will not be accepted.



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Contact Information

For additional information, visit our website
or contact us through e-mail.



tomas.kosek@fsv.cuni.cz



[IMS - Certificate in DH](#)