Digital Humanities (DIGHUM)

Courses

DIGHUM 100 Theory and Method in the Digital Humanities 3 Units

Terms offered: Summer 2025 First 6 Week Session, Summer 2024 First 6 Week Session, Summer 2023 First 6 Week Session
In this course, we will evaluate a variety of digital humanities projects through theoretical scholarship in the field, in order to critically assess the value of the new knowledge that is being generated, and to weigh that knowledge in terms of traditional humanities methods. We will explore the fundamental arguments that are being advanced about these new methods and how they interact with humanities' interpretive underpinnings. This course will prepare students to apply digital methods in ethical, reflective, and responsible ways—understanding the potentials of the digital within the humanities.

Hours & Format

Summer: 6 weeks - 7.5 hours of lecture per week

Additional Details

Subject/Course Level: Digital Humanities/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.

DIGHUM 101 Python Programming for Digital Humanities 3 Units

Terms offered: Summer 2025 First 6 Week Session, Summer 2024 First 6 Week Session, Summer 2023 First 6 Week Session
The digital and data revolution has begun to transform the study of the humanities by introducing new archival data sources, tools and methods, and modes of analysis. In this applied course, students will learn foundational knowledge of Python, the leading programming language in Digital Humanities and data science. By the end of this course, students will be able to program Python in Jupyter Notebooks, exploring and visualizing data for purposes of computational text analysis, social network analysis, and machine learning.

Hours & Format

Summer: 6 weeks - 7.5 hours of lecture per week

Additional Details

Subject/Course Level: Digital Humanities/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.

Instructor: Prashant Sharma

DIGHUM 125 Digital Humanities and Social Justice 3 Units

Terms offered: Spring 2022
This innovative course will introduce students to a broad range of digital humanities techniques as they are applied to issues of social justice, equality, and activism in various media. Themes or institutional focus may vary with the research background of the instructor (for example, climate change, cultural heritage, hate speech analytics). Students will be introduced to the work of relevant thought leaders and industry experts outside of the academy. A final project will allow students to use one or more of these methods in a case study of their own choosing.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Digital Humanities/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.

DIGHUM 150A Digital Humanities and Archival Design 3 Units

Terms offered: Summer 2025 Second 6 Week Session, Summer 2024 Second 6 Week Session, Summer 2023 Second 6 Week Session
This course concentrates on doing archival research, and then building websites that organize and present the results of that research in interactive digital formats. One of the hallmarks of digital humanities is its capacity to make rare source material accessible to a broad audience in ways that simultaneously offer conceptual structure, critical analysis, and user flexibility. By teaching students how to manage traditional primary sources and transform them into dynamic digital archives, this course will offer a dual training in conducting scholarly research and designing digital projects.

Rules & Requirements

Repeat rules: Course may be repeated for credit when topic changes.

Hours & Format

Summer: 6 weeks - 7.5 hours of lecture per week

Additional Details

Subject/Course Level: Digital Humanities/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.

DIGHUM 150B Digital Humanities and Visual and Spatial Analysis 3 Units

Terms offered: Summer 2025 Second 6 Week Session, Summer 2024 Second 6 Week Session
This course will explore how the power of digital tools to create complex and interactive visual representations can help us investigate problems in the humanities. Visual analysis allows for large collections of texts, artifacts and data to appear as form, distilling and presenting information in ways that are computational as well as conceptual. Spatial analysis, especially the geospatial, applies advanced digital cartographic tools to historical maps, geographically based events, demography, migration, textual production, and movement over time. As with all digital humanities, these visual and spatial formats are user-responsive and open to a broad range of use.

Rules & Requirements

Repeat rules: Course may be repeated for credit when topic changes.

Hours & Format

Summer: 6 weeks - 7.5 hours of lecture per week

Additional Details

Subject/Course Level: Digital Humanities/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

DIGHUM 150C Digital Humanities and Text and Language Analysis 3 Units

Terms offered: Summer 2025 Second 6 Week Session, Summer 2024 Second 6 Week Session, Summer 2023 Second 6 Week Session
This course will concentrate on one of the first and most developed techniques in the digital humanities – textual analysis – and one of the newest – natural language processing. These two methods are used to study the range of language use, spanning from the literary to the informal. While the computational power of these programs is vast, the codes they use arise from the humanistic inquiries of careful readers, and are used to support critical analysis of texts. In these classes, textual and language analysis moves beyond counting and statistics to teach students to understand linguistics, genre, style, aspect, comparative analyses and literary interpretation in new ways.

Rules & Requirements

Repeat rules: Course may be repeated for credit when topic changes.

Hours & Format

Summer: 6 weeks - 7.5 hours of lecture per week

Additional Details

Subject/Course Level: Digital Humanities/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.

DIGHUM 160 Critical Digital Humanities 3 Units

Terms offered: Summer 2025 Second 6 Week Session, Summer 2024 Second 6 Week Session, Summer 2023 Second 6 Week Session
This course will concentrate on training a critical eye on the field, and analyzing what impact the digital has on the study of the humanities and on the culture at large. Even as computational and digital capacities allow us to ask new questions, they also powerfully shape how we organize and receive knowledge. Courses in the Critical Digital Humanities will provide a necessary space to critically evaluate how the modes and content of information-age technologies influence and impact the modes and content of humanistic inquiry.

Rules & Requirements

Repeat rules: Course may be repeated for credit when topic changes.

Hours & Format

Summer: 6 weeks - 7.5 hours of lecture per week

Additional Details

Subject/Course Level: Digital Humanities/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.

DIGHUM 161 Decolonial Digital Humanities 3 Units

Terms offered: Summer 2025 Second 6 Week Session
This course examines how digital humanities methodologies can reinforce or challenge colonial legacies while contributing to decolonization through ethical, critical frameworks. Integrating perspectives from Decolonial Studies, Black Feminist Studies, Indigenous Studies, Cultural Studies, and Environmental Studies, students will learn to critique and create digital storytelling projects through decolonial lenses. The course introduces digital humanities tools such as text mining, structured data analysis, and visualization, emphasizing technical skills and critical literacy. No prior experience with digital humanities is required, but basic computing competency is expected.

Hours & Format

Summer: 6 weeks - 7.5 hours of lecture per week

Additional Details

Subject/Course Level: Digital Humanities/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.

DIGHUM 162 Data Science for Social Justice
3 Units

Terms offered: Summer 2025 Second 6 Week Session
This interdisciplinary course equips students with essential tools and
methods for data analysis while introducing critical frameworks to design
projects with a focus on social impact. By combining technical skills with
ethical considerations, the course challenges the "market-first" mentality
prevalent in data science and fosters an understanding of how data-
driven solutions can advance social justice. Through a combination
of hands-on workshops and guided discussions, students will explore
topics such as bias in datasets, the ethics of machine learning, data
surveillance, and the social implications of data gathering and usage.
Hours & Format

Summer: 6 weeks - 7.5 hours of lecture per week

Additional Details

Subject/Course Level: Digital Humanities/Undergraduate

Grading/Final exam status: Letter grade. Alternative to final exam.