



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

Digital Humanities and Digital Knowledge

Slides available at: <https://doi.org/10.5281/zenodo.7375776>



Shaping the new normal: the digital humanist

<https://corsi.unibo.it/2cycle/DigitalHumanitiesKnowledge>

The international degree programme in **Digital Humanities and Digital Knowledge (DHDK)** offers a **cross-disciplinary** curriculum designed to foster close connections between humanities and the sciences of representation and processing of information and knowledge

The three pillars → → → → →





Courses at DHDK

“teaching is the landscape for the education of the future generations of digital humanists”

Peroni, S., & Tomasi, F. (2022). Approaching Digital Humanities at the University: A Cultural Challenge. *Journal of Art Historiography*. <https://doi.org/10.48550/arXiv.2209.06091>

Courses a.y. 2022/2023 – see the [course structure diagram](#)

Computational Thinking and Programming Data Science Interaction Media Design
Museology, Museography and Virtual Environments Information Modelling and Web Technologies
Digital Text in the Humanities: Theories, Methodologies and Applications Open Access and Digital Ethics
Knowledge Organization and Cultural Heritage Knowledge Representation and Extraction
Scholarly Editing and Digital Textuality Text Retrieval, Analysis and Mining Information Visualization
Network Analysis Knowledge Exchange and Storage before the Printed Book
Natural Language Processing Open Science Semantic Digital Libraries Entrepreneurship
International and EU Copyright Law Business Strategy and Innovation in Cultural Industries



Project-oriented teaching

DHDKey! Home Projects Upload Info

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Academic Year

- 2019/2020 (32)
- 2020/2021 (24)
- 2018/2019 (19)
- 2021/2022 (5)
- 2017/2018 (3)

Course

- Information Modelling And Web Technologies (15)
- Knowledge Organization And Cultural Heritage (11)
- Knowledge Organization And Digital Methods In The Cultural Heritage Domain (10)
- Knowledge Representation And Extraction (8)
- Museology, Museography And Virtual Environments (7)
- Scholarly Editing And Digital Approaches (6)
- Open Access And Digital Ethics (5)

Apollo 11 Moon LOnDing

Beattie, Rebecca **Ghiotto, Maddalena** **Liviabella, Anita**
Pensalfini, Martina

Academic Year: 2021/2022
Course: [Knowledge Organization And Cultural Heritage](#)

Moon LOnDing is a Linked Open Data project which seeks to explore the organization and representation of knowledge connected to the Apollo 11 moon landing, focusing on three core narratives: the historic and era-defining nature of the achievement, the political background and the perduring doubts which surround the moon landing, manifest in the proliferation of conspiracy theories, despite physical evidence to the contrary.

[Project Website](#) [Github Repository](#)

ITArtHistorians (ITAH)

Bordignon, Alice **Cagnola, Federico** **Fiorenza, Gabriele**

Academic Year: 2020/2021
Course: [Electronic Publishing And Digital Storytelling](#)

ITAH propose an analysis of art historians and the cultural institutions that preserve their collections. Our data sample is composed of the Italian art

The organisation of the courses from both **theoretical and practical** points of view

Goal: to put all the theoretical concepts introduced into a pragmatic context by using **real-case examples** from existing projects or specific practical hands-on sessions studied to work on real scenarios

Such a practical endeavour is **complemented by group projects**, representing the means to get the final score for the courses

One of the learning outcomes is to enable students to **acquire skills for working in groups**, mimicking, at a smaller scale, what students will find in the DH market after their graduation

See the DHDKey portal, listing projects developed by students:

<https://projects.dharc.unibo.it/dhdkey/>





Internship and Partnerships

To **guarantee internship** and to create a deep connection with stakeholders, the degree is defining conventions with some agencies, institutions and companies in the following fields:

- Research centres
- International and local digital publishers
- Web agencies and social media
- Archives, Libraries and Museums institutions
- Tools development and project management agency
- Digital environments services and companies
- National and International Associations of DH

The internship is a period of training **in direct contact with companies, institutions or organisations** aimed at facilitating professional choices and employability of young people in the transition between school and work



Learning outcomes and careers opportunities

At the end of the programme, students will be able to **manage the whole lifecycle of digital content**, from the design of a project plan involving heterogeneous and complex **digital cultural objects** to its realisation, from the dissemination of a collection to its preservation

Graduates will be able to **join PhD programmes** or **find employment** (either in research environments, cultural heritage institutions and companies) as experts in:

- **design, production and valorisation of Web resources** (Web Project Manager, User Experience Designer, Web Information Architect, Web Content Specialist, Social Media Expert, Open Data Expert, Data Scientist, Knowledge Engineer, Web Analytics Expert)
- **the Digital Management of Cultural Resources** (Digital Publishing Expert, Digital Library Specialist, Metadata Specialist, Data Curator, Data Steward, Multimedia Object Specialist, Knowledge Organizer)

The current market (in Italy and around the globe) **strongly asks for these figures!**
Very high rate of graduates who **found a job a few months after their graduation** (sometimes even before graduating!)

Around 95% of our students come from a bachelor's in the Humanities



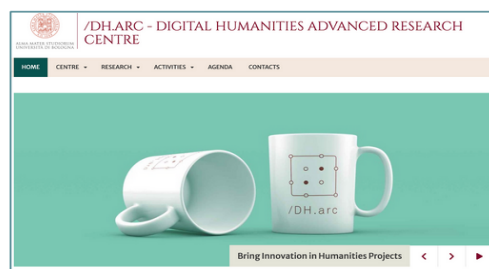
Our offer during and after DHDK

The frequent interactions between teaching and research enable students **to increase their skills** by measuring their knowledge of **real research projects**

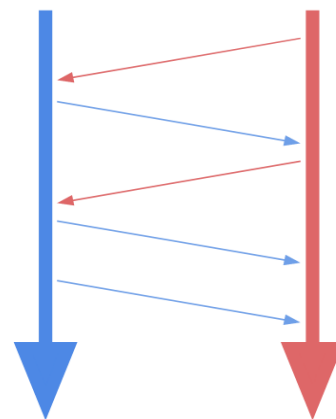
Plan for DH @ UNIBO

- **Teaching** DH in proper degrees (master's and PhD) to shape new professionals acting as a proxy between cultural endeavours and technological expertise, who are highly sought after by national cultural heritage (CH) markets (by CH institutions, libraries, galleries, museums, companies, etc.)
- **Research** within the Digital Humanities Advanced Research Centre (/DH.arc), where scholars have found a stable and fertile common grounding for activating new collaborations and projects

Research Teaching



<http://dharc.unibo.it>



<https://corsi.unibo.it/2cycle/DigitalHumanitiesKnowledge>



<https://phd.unibo.it/chede/en>



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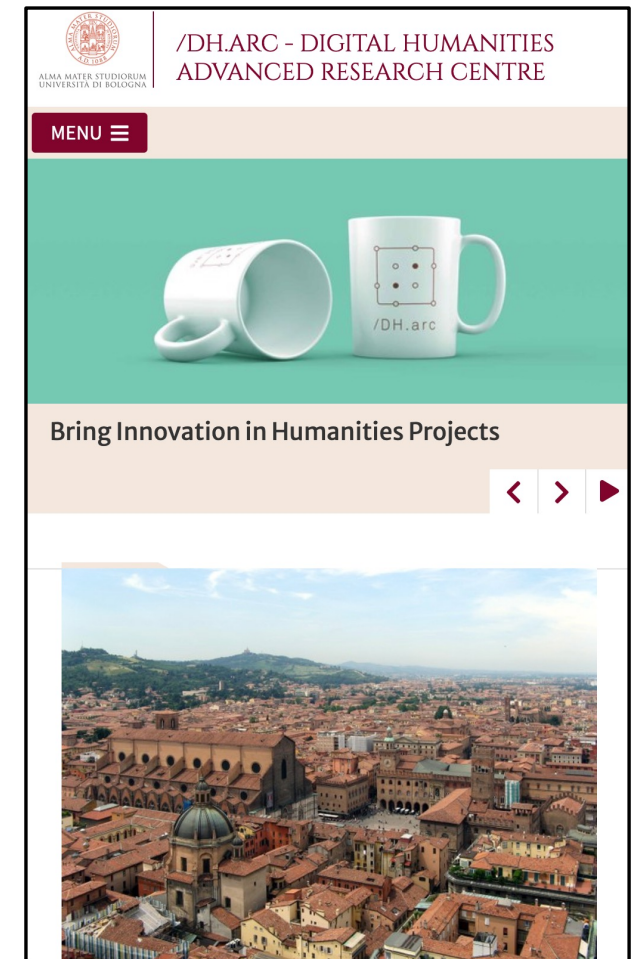
The Digital Humanities Advanced Research Centre (/DH.arc)

The Digital Humanities Advanced Research Centre (/DH.arc, <http://dharc.unibo.it>) is closely connected to DHDK – indeed, members of the centre work tightly with, and in, the DHDK master's course to offer teaching that is as close as possible to the current research landscape in the area

The main aim of the /DH.arc is to be a hub for researchers and agencies currently working in the field of DH on innovative projects in the Humanities, and to connect students, researchers, IT staff, and professors affiliated with different departments at the University of Bologna to conduct research together on the DH landscape

Among all the DH research topics, the /DH.arc has run several projects in the past years on building specific technical and domain-based expertise in the context of the cultural heritage landscape

It is possible to have the internship at the /DH.arc!



Admission requirements and deadlines

For all details: see the next «Call for Applications» for admissions academic year 2023/24

- Published in January/February 2023 at:
<https://corsi.unibo.it/2cycle/DigitalHumanitiesKnowledge/how-to-enrol>
- Available intakes usually from February to September (online application procedure)

General requirements

- **1st cycle degree** (Bachelor's degree). For Italian applicants: specific degree classes and subject area codes – check the next Call for Applications carefully
- **Interview:** in **English** to verify the candidates' knowledge (*«Candidates are expected to have a knowledge of theories and methods in the digital humanities domain and they must own aptitude to computational techniques.»*)
- **Language certifications: English B2** level– check the next Call for Applications carefully for details
- Contact for further information: dhdh@unibo.it





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