## **Workshop: Digital Humanities**

## Prof. Francesco Mambrini

***COURSE AIMS AND INTENDED LEARNING OUTCOMES***

The workshop aims to provide basic skills in relation to computational methodologies and techniques used to organize, explore and analyse data in human sciences.

At the end of the workshop, the students will be able to:

– critically discuss the main concepts related to Digital Humanities;

– use a number of state-of-the-art digital tools in the field of Digital Humanities;

– create views of data and metadata;

– explore corpora of texts;

– create and analyse networks.

***COURSE CONTENT***

The workshop will address a combination of theory, overview of projects in the field of Digital Humanities, and practical exercises.

The main topics of the workshop will be:

– introduction to Digital Humanities;

– distant reading and data display;

– introduction to the analysis of corpora and to linguistic annotation;

– introduction to Network Analysis.

***READING LIST[[1]](#footnote-1)***

Jänicke, S., Franzini, G., Cheema, M. F., & Scheuermann, G. (2015). On Close and Distant Reading in Digital Humanities: A Survey and Future Challenges. In EuroVis (STARs) (pp. 83-103).

URL: https://pdfs.semanticscholar.org/20cd/40f3f17dc7d8f49d368c2efbc2e27b0f2b33.pdf

Lenci, A., Montemagni, S., & Pirrelli, V. (2016). Testo e computer. Introduzione alla linguistica computazionale. Carocci editore. Chapters 1 (“I dati della lingua”)

Moretti. F. (2011). Network theory, plot analysis. Pamphlet 2. Stanford Literary Lab.

URL: <https://litlab.stanford.edu/LiteraryLabPamphlet2.pdf>

Moretti, F. et al. (2019). “Le emozioni di Londra”. In *La letteratura in laboratorio*. A cura di Giuseppe Episcopo, pp. 279-303. FedOAPress, Napoli.

URL: <http://www.fedoabooks.unina.it/index.php/fedoapress/catalog/book/104>

Passarotti, M. C. (2019). Se i Big Data parlano greco e latino. Vita e Pensiero. N. 5.

*Further suggested readings:*

Ciotti, F. (2017). What's in a Topic Model? Critica teorica di un metodo computazionale per l’analisi del testo. *Testo & Senso*, n. 18.

URL: <http://testoesenso.it/article/view/462/pdf_227>

Moretti, F. et al. (2019) La letteratura in laboratorio. Edited by Giuseppe Episcopo. FedOAPress, Naples.

URL: <http://www.fedoabooks.unina.it/index.php/fedoapress/catalog/book/104>

Tomasi, F. (2009). Metodologie informatiche e discipline umanistiche. Carocci.

Salvatori, E. (2017). Digital (Public) History: la nuova strada di una antica disciplina. RiMe. Rivista dell'Istituto di Storia dell'Europa Mediterranea (ISSN 2035-794X), 57-94.

URL: <http://rime.cnr.it/index.php/rime/article/download/8/7>

Tomasi, F. (2015). Discipline umanistiche e informatica. Quale futuro per l’integrazione? *Labour & Law Issues*, *1*(1), 31-48.

URL : <https://labourlaw.unibo.it/article/download/5009/4776>

***TEACHING METHOD***

All lessons will take place in the IT room and include practical computer activities under the lecturer’s guidance.

In case the current Covid-19 health emergency does not allow frontal teaching, remote teaching will be carried out using Blackboard platform.

***ASSESSMENT METHOD AND CRITERIA***

The exam includes two parts that are both mandatory for all students: 1. Written paper (the subject of the paper must focus on the application of at least one of the tools studied in class; the paper can be a maximum of 5 pages and must follow the format presented by the lecturer. It must be completed before the oral exam and must be handed in one week before the exam to allow correction); 2. Oral exam (on the paper and on the topics and texts presented during the workshop).

There will be a single final mark and it takes into account 60% of the paper evaluation and 40% of the oral exam.

***NOTES AND PREREQUISITES***

Given the introductory nature of the course, no prior specific computer skills are required, except basic skills (e.g. use of web browser and use of spreadsheets). The course will be held in Italian but some texts in the reading list and tools used in the course require a good knowledge of English.

Further information can be found on the lecturer's webpage at http://docenti.unicatt.it/web/searchByName.do?language=ENG or on the Faculty notice board.

1. The texts indicted in the reading list are available in various ways: where possible, they can be downloaded free of charge at the URLs indicated, otherwise tehy can be purchased at the University bookstores or other retailers. The book by Lenci et al. (2016) and the article by Passarotti (2019) are also available in the University Library. [↑](#footnote-ref-1)