PhD course in Humanities and technologies
**PRESENTATION**

The PhD course in “Humanities and technologies” situates itself in the strategic meeting spaces between the humanities disciplines and the new technologies. It bets on the potentials of the interaction between these categories of knowledge for a human-scale innovation, one of the fundamental challenges of our time. Its privileged research areas are: archives and digital libraries, databases for historical and cultural research, computational linguistics, new tools for literary analysis, interpretation and text processing, and anthropological and ethical implications of techno-sciences. It intends to give humanists the skills to dialogue on an equal footing with the world of the new technologies, thus responding to a need that is increasingly felt not only in research institutions, but also in the business world and in that of governance.

**PROGRAM DATA**

The three-year PhD course in “Humanities and technologies” is coordinated by Professor Roberto Lambertini, Professor of Medieval History at the Department of Humanities - Languages, Mediation, History, Literature and Philosophy. Multidisciplinary and interdisciplinary in its basic approach, it is led by a board made up of qualified professors from the University of Macerata and by established researchers and scholars from European, Canadian and US universities. It has collaborated closely with CNR research centers, which will support the board in the training activities and in the tutoring of the research projects of the PhD students.

**AGREEMENT WITH OTHER INSTITUTIONS**

The PhD course in “Humanities and technologies” participates in the regional Eureka and Innovative PhD programs with an industrial slant, aimed at financing PhD scholarships on a specific topic, proposed and co-financed by local companies and the Marche Region, with a dual supervision and a period of applied in-company research. The PhD program also collaborates with:

- ILC-CNR: Institute for Computational Linguistics
- ICAR-CNR: High Performance Computing and Networking Institute
- Institut d’Études Médiévales Université de Fribourg
- School of Information Management, Dalhousie University, Halifax
- Interdepartmental Center for Anglo-American Studies, University of Macerata
CAREER OPPORTUNITIES

a) research functions at university institutions, public/private research institutions, particularly qualified in the field of linguistic, literary, philological, philosophical, historical, archival and text processing sciences, even in the digital environment;

b) highly specialized functions on issues related to the use of information and communication technologies for producing and disseminating knowledge, training, management, conservation and use of digital and analogue memory of public and private subjects;

c) collaboration functions for technological innovation in companies and public administrations through the development of projects aimed at the digitalization of documents and the dematerialization of processes;

d) activities in the public and private spheres as well as the organization of intercultural mediation, conservation and enhancement of cultural assets through processes of digitalisation, enhancement of the local territory also to favor the development of the tourism economy;

e) activities in journalism, publishing, the creation and management of editorial content for the web, publications, and IT and tourism companies specialized in the dissemination of information.

MULTIDISCIPLINARY SLANT OF THE COURSE

The PhD course in “Humanism and technologies” is a multidisciplinary and interdisciplinary course precisely because it is by definition based on the encounter between humanist knowledge and the new technologies, in a perspective that is not merely applicative, but that aims to bring about innovation through an authentic interaction between these two areas. It does not intend to train subordinate researchers in some form of “digital colonialism”, but rather humanists who, as masters of their disciplinary methods, can contribute with versatility and awareness to an innovation that is an authentic opportunity for a growth that favors social coexistence as a whole.

TECHNOLOGICAL INNOVATION AND BIG DATA

The PhD Program in “Humanism and Technologies” is marked by the attention it pays to issues concerning access to archives, libraries, textual corpora and, in general, to large digital repositories. In this sense, it aims to provide the necessary knowledge for creating ontologies, controlled vocabularies and linked open data, as well as for applying semantic technologies and intelligent systems for the purposes of research, and use and dissemination of digital information content. It includes in its training programs the study of techniques for processing large amounts of data, both in the field of linguistics and in the more comprehensive field of targeted extraction of knowledge from heterogeneous sources, with the aim of research in the humanities.