



**COURSE OF STUDY DIGITAL HERITAGE: MUSEUMS, ARCHIVES, LIBRARIES
ARCHIVISTICA E BIBLIOTECONOMIA (LM5)- METODOLOGIE INFORMATICHE PER
LE DISCIPLINE UMANISTICHE (LM43)**

ACADEMIC YEAR 2023-2024

ACADEMIC SUBJECT HISTORY OF THE DIGITAL REVOLUTION

General information	
Year of the course	<i>First</i>
Academic calendar (starting and ending date)	First Semester
Credits (CFU/ETCS):	6
SSD	<i>M-STO/05</i>
Language	<i>Italian</i>
Mode of attendance	<i>Attendance is governed by the Course Regulations</i>

Professor/ Lecturer	
Name and Surname	Carla Petrocelli
E-mail	carla.petrocelli@uniba.it
Telephone	080/5714372
Department and address	<i>DIRIUM - Palazzo Ateneo, Piazza Umberto I</i>
Virtual room	
Office Hours (and modalities: e.g., by appointment, on line, etc.)	Tuesday and Wednesday from 11 a.m. to 12 a.m.

Work schedule			
Hours			
Total	Lectures	Hands-on (laboratory, workshops, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
150	42		108
CFU/ETCS			
6	6		

Learning Objectives	<i>The course aims to provide students with a general understanding of the evolutionary phases of computer science, also through the study of some historically relevant cases.</i>
Course prerequisites	<i>Knowledge of historiographic methodology and source analysis</i>

Teaching strategie	<i>The course examines all contributions that have had an impact on the evolution of automatic computing tools and technology</i>
Expected learning outcomes in terms of	
Knowledge and understanding on:	<ul style="list-style-type: none"> ○ Critical knowledge of the fundamental concepts necessary for a historical recreation of the mechanization process of automatic computing
Applying knowledge and	<ul style="list-style-type: none"> ○ Acquire familiarity with theoretical and practical issues



understanding on:	
Soft skills	<ul style="list-style-type: none">• <i>Making informed judgments and choices</i><ul style="list-style-type: none">○ The theoretical training will be supported by examples, applications, exercises, both practical and theoretical, individual and group, in order to accustom the student to make decisions on his own, and to be able to judge and predict the effect of their choices.• <i>Communicating knowledge and understanding</i><ul style="list-style-type: none">○ Identify, extract and analyse the contributions available for each topic addressed in the course and define their repercussions in modern society.• <i>Capacities to continue learning</i><ul style="list-style-type: none">○ To provide the concepts and historical contexts necessary for the use of technical and communicative tools in the elaboration and classification of the sources studied.
Syllabus	
Content knowledge	<i>The course aims to provide students with a general understanding of the evolutionary phases of computer science, also through the study of some historically relevant cases.</i>
Texts and readings	<i>- S. Hénin, Il Racconto del computer. Come è nato e perché, Edizioni Manna, 2017;</i> <i>- C. Petrocelli, Il computer è donna. Eroine geniali e visionarie che hanno fatto la storia dell'informatica, Edizioni Dedalo, 2019.</i>
Notes, additional materials	<i>Additional lecture notes provided by the teacher</i>
Repository	https://www.uniba.it/it/docenti/petrocelli-carla/attivita-didattica

Assessment	
Assessment methods	<i>Oral exam</i>
Assessment criteria	<ul style="list-style-type: none">• <i>Knowledge and understanding</i><ul style="list-style-type: none">○ The student must possess those tools that enable him/her to be autonomous in the historical/technological reading of the development phases of information technology as a science and as a technology• <i>Applying knowledge and understanding</i><ul style="list-style-type: none">○ The student should learn all methods of historical investigation related to the history of computing and be able to distinguish and recognise elements of historical heritage.• <i>Autonomy of judgment</i><ul style="list-style-type: none">○ Testing of the ability to place the topics covered in a broader context of the dissemination of historical-scientific culture.• <i>Communicating knowledge and understanding</i><ul style="list-style-type: none">○ Ability to have a comprehensive and critical view of the stages in the evolution of technology and to be able to communicate them by appropriately placing them in the relevant historical context.• <i>Communication skills</i><ul style="list-style-type: none">○ Ability to have a comprehensive and critical view of the stages in the evolution of technology and to be able to communicate them by appropriately placing them in the relevant historical context.• <i>Capacities to continue learning</i><ul style="list-style-type: none">○ Extensive knowledge of the history of information technology, with particular emphasis on the contribution of women
Final exam and grading criteria	<i>The student must possess those tools that allow him/her to make an accurate historical/technological reading of the development of information technology as a science and as technology. He must adopt all the methods of historical investigation related to the history of information technology and knowhow to distinguish and recognize the elements of historical heritage</i>



UNIVERSITÀ
DEGLI STUDI DI BARI
ALDO MORO

DIPARTIMENTO
DI RICERCA E
INNOVAZIONE UMANISTICA

Further information	