Date	Time	Topics
		01 - Overview on digital ecosystem for DH: OCR & NLP Pipelines, Visualization & Dashboards, Spatial Analysis, Image Analysis, Social Network Analysis, Sentiment Analysis, Temporal Series Analysis, SQL and NoSQL, Database Management, RDF triplestores, etc.
Friday 05.03	09:45 - 11:15 Digital	02 - The basics of Programming: • IDEs and Digital Research Frameworks • Programming Languages: why Python? • First steps into programming Hands on: Installing Anaconda and programming the first "Hello World"
Friday 19.03	09:45 - 11:15 Digital	03 - The basics of Versioning: • Versioning Code: Git, Github, Gitlab • Versioning Data: Dolthub Hands on: Installing Github Desktop. Full cycle on versioning files.
Friday 26.03	09:45 - 11:15 Digital	04 - The basics of Python language I: • Python objects and methods • Python native structures: data containers Hands on: small scripts with native structures.
Friday 16.04	09:45 - 11:15 Digital	05 - The basics of Python language II: • Python control flow • Python functions • Python scopes Hands on: Mining text with simple functions.
Friday 23.04	09:45 - 11:15 Digital	06 - The basics of Python language III: • Python packages and modules • Python data persistence Hands on: Exploring common packages from the standard library: os, time, sys, string, pickle, dill, random Suggested readings: • Python generators and comprehensions
Friday 30.04	09:45 - 11:15 Digital	07 - Advanced topics of Python language: • Python classes and OOP Hands on: Creating classes to represent DH entities Suggested readings:

		• Python decorators • Code Optimization
Friday 07.05	09:45 - 11:15 Digital	08 - Topics in Exploratory Data Analysis (EDA) • Basic Statistics • Data Visualization • Data Wrangling Hands on: Python EDA with Numpy, Pandas, Matplotlib, Seaborn
Friday 14.05	09:45 - 11:15 Digital	09 - Topics in Exploratory Data Analysis (EDA) • Basic Statistics • Data Visualization • Data Wrangling Hands on: Python EDA with Numpy, Pandas, Matplotlib, Seaborn
Friday 21.05	09:45 - 11:15 Digital	10 - NLP Intro: • Motivations, Tasks, Goals and Challenges • NLP and the Humanities • Python NLP Packages (NLTK, Spacy, TextBlob, Wordnet) Hands on: Python NLP Pipeline for Corpus Acquisition and Cleaning - Information extraction and Scraping, Regular Expressions, Frequency Analysis, N-grams, POS Tagging, Syntax parsing, NER, Summarization
Friday 28.05	09:45 - 11:15 Digital	11 - Topic Modeling, Text Classification Sentiment Analysis Python NLP Packages (Gensim, PyLDAVis) Hands on: Python NLP Pipelines for Text Representation (BoW, TfIDf)
Friday 04.06	09:45 - 11:15 Digital	12 - Word Embeddings Dimensionality Reduction Text Visualization Hands on: Detection of Biases in Corpora
Friday 11.06	09:45 - 11:15 Digital	13 - Semantic Web Technologies • Knowledge Organization Systems • Thesauri and Ontologies Hands on: Python and Text Annotation - TEI/XML (XML, LXML, XLPATH)
Friday 18.06	09:45 - 11:15	14 - Social Network Analysis • Graphs

		Digital	• Knowledge Graphs,
			Hands on: SNA with Python Graph Structures (NetworkX, PyVIS)
Friday 25.06	09:45 - 11:15 Digital	15 - Where to go from here:	

• Knowledge Graphs,

Hands on: SNA with Python Graph Structures (NetworkX, PyVIS)
15 - Where to go from here:

- Temporal Series Analysis
- Image analysis and Computer Vision
- Machine Learning and Deep Learning for NLP
- Text Classification
- Text Clustering
- Stylistic Analysis
- Information Extraction
- Information Retrieval Systems