Introduction to the course

Silvio Peroni
silvio.peroni@unibo.it – https://orcid.org/0000-0003-0530-4305 – @essepuntato@scholar.social

Open Science (A.Y. 2024/2025)
Second Cycle Degree in Digital Humanities and Digital Knowledge
Alma Mater Studiorum - Università di Bologna

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DIPARTIMENTO DI FILOLOGIA CLASSICA E ITALIANISTICA

Material

All the material of the course, i.e. slides and documents (papers, articles, books), is freely available online in some form and represents the body of work to study for the written examination

You will find all the links to access and download the material from the official GitHub repository of the course at

https://github.com/open-sci/2024-2025/

Have you found a mistake in the slides? Please write me an email at silvio.peroni@unibo.it, or comment it directly on Google Slides

Dates and organisation

The course is organised in three parts

- The prologue, where the basic notions around Open Science and a particular point of view of application are presented
- The plot, where specific Open Science topics are presented
- The epilogue, where we will wrap the course up and set the last requirements for the project implementation

31 March 2025	13:00-16:00	Introduction to Open Science
3 April 2025	12:00-15:00	Reproducibility
7 April 2025	13:00-16:00	FAIR and Open Data
10 April 2025	12:00-15:00	Open Methodology
14 April 2025	13:00-16:00	Open Peer Review
28 April 2025	13:00-16:00	Open Source Software
5 May 25	13:00-16:00	Open Access
8 May 25	12:00-15:00	Open Metrics
12 May 25	13:00-16:00	Open Infrastructures
15 May 25	12:00-15:00	Wrap-up session

Rules

Attending the lectures is not mandatory, even if it is strongly recommended due to the several discussions and hands-on session that are in place

The final score is obtained from the results of two tests:

- a project implementation and discussion [max. 26 points] – it will be the topic of the workshop of the course
- a final written examination [max. 6 points] – one hour test that comprises questions (including multiple-choice and free-text answers) based on the articles introduced (one per lecture) as part of the material to study and the slides of all the lectures

There are at least six exam sessions for passing the final written examination

The project

The presentation of an Open Science project is the main aspect of the course

Students are organised in a group for preparing the project, managed by the professor

The personal contribution of each member of a group will be assessed during the duration of the course and final workshop, in which invited experts are involved and they may ask questions about specific aspects of your project

The project is introduced later today

Even if discouraged, it is possible to follow the course as non-attender – in this case, the topic of the project should be discussed with the professor in advance

The project: what to produce

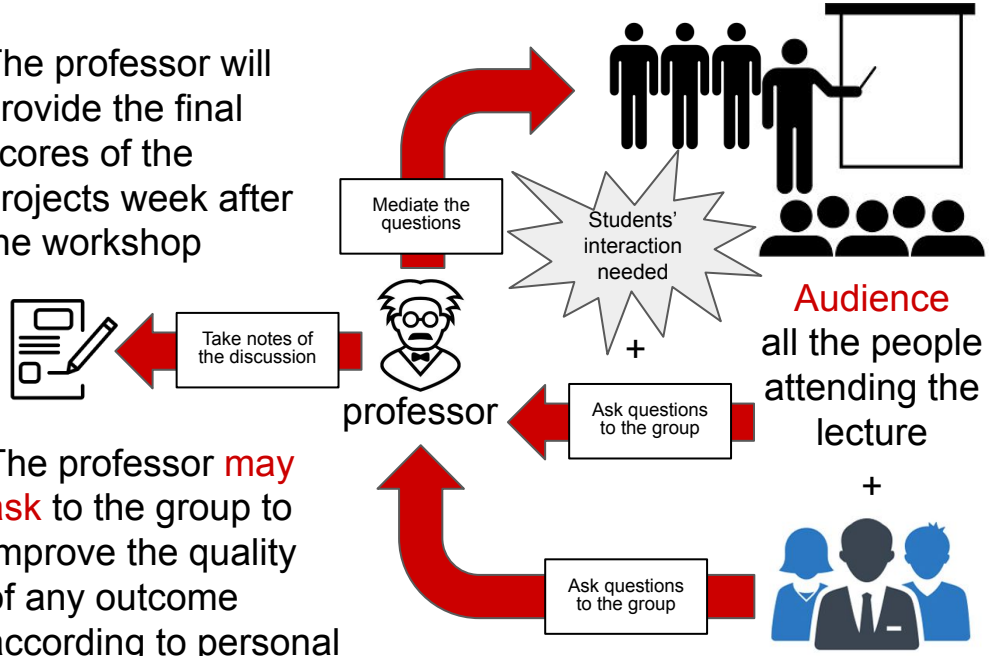
The material that should be produced by the group includes at least:

Started and/or completed during the course

- a diary describing the activities addressed by group members to fulfil the project
- a textual abstract presenting the project methodologies, values, and results
- a data management plan (DMP)
- a description of the methodology followed to address the project goals
- reviews of the data management plan and of the description of the methodology
- a software used to gather and analyse data relevant for the project
- the data gathered by running the methodology
- a scientific article presenting the research conducted to address the project goals
- the slides used to present the project outcomes during the final workshop

The workshop

The professor will provide the final scores of the projects week after the workshop



The professor may ask to the group to improve the quality of any outcome according to personal assessment and workshop discussions

The group has its presentation slot, in which it has to present the work by using slides

Each presentation slot is of 80 minutes:

- 10 minutes set up
- 30 minutes presentation
- 40 minutes Q&A

All members of the group must present, thus split the presentation in a reasonable way

The workshop: the date

The results of the project will be presented during a final workshop – mandatory participation by all the students in presence

We have to agree (now) a date in June, after the end of the course (last lecture: 15 May 2025)

Some proposals:

- 9 June 2025
- 25 June 2025

Organisation of each lecture

Each lecture is organised in three parts

In the first part (45 minutes), a theoretical and historical introduction about the specific topic of the lecture is provided

In the second part (45 minutes), a structured discussion on a scientific article provided by the professor in the previous lecture is organised

In the third part (one hour an half), all students and professor participate in an hands-on session based on existing tools that enable the experimentation and/or implementation of the project

Important notice: you may need to use a computer for the third part

Communications

We use a Discord discussion group for communicating with each other

Invitation link to join the workspace:

https://discord.gg/Hr88c6eX

Once you entered in the workspace following the previous link, please send a message in the channel “#main-lobby” asking for being added by me to the private channel of the course (“open-science-24-25”)

Please, do a Discord account as soon as possible (e.g. during the break) since I will close the invitation link in at the end of this week – and we will start to use it since Friday

Evaluation of the course

Usually, during one of the last lectures of the course, you will be asked to fill-up a questionnaire on the organisation of the course and related stuff – it is anonymous, of course

Please, do it carefully and honestly, since it is one of the most important inputs I will have to understand what can be improved in the next year course

Final recommendations (the usual one)

Please do ask questions

There are no stupid questions

My answers can be odd though, sometime

Thus, in order to avoid such odd answers, I could ask you to be patient and wait for the next lecture, so as to provide you with the best possible answer ever

“The purpose of these studies is to raise problems, not to solve them”

Toulmin, S. E. (2003). The Uses of Argument (2nd ed.). Cambridge University Press. https://doi.org/10.1017/CBO9780511840005

End

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