

Introduction to the course

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Open Science (A.Y. 2020/2021)

Second Cycle Degree in Digital Humanities and Digital Knowledge

Alma Mater Studiorum - Università di Bologna



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/2020-2021/>

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 the results gathered during the course are presented and defended
- | | | |
|---------------|-------------|------------------------------|
| 24 March 2021 | 13:00-16:00 | Introduction to Open Science |
| 31 March 2021 | 13:00-16:00 | Reproducibility |
| 1 April 2021 | 12:30-15:30 | FAIR and Open Data |
| 8 April 2021 | 12:30-15:30 | Open Methodology |
| 14 April 2021 | 13:00-16:00 | Open Peer Review |
| 15 April 2021 | 12:30-15:30 | Open Source Software |
| 21 April 2021 | 13:00-16:00 | Open Access |
| 22 April 2021 | 12:30-15:30 | Open Metrics |
| 28 April 2021 | 13:00-16:00 | Open Infrastructures |
| 5 May 2021 | 13:00-16:00 | Final workshop |

Rules

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

The final score is obtained from the results of two tests: a final written examination and a project discussion – the latter one will be the topic of the last lecture of the course (i.e. the workshop)

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

The maximum score one can obtain is 34: 17 for the project and 17 for the written examination

The project

The presentation of an Open Science project is one of the key aspect of the course

Students are mandatorily asked to organise themself in at least two groups for preparing the project – the number of students per group strictly depends on how many people are attending the course and must have a score

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

The project must be chosen among those 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

Organisation of each lecture

Each lecture is organised in two parts

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

In the second part, hands-on sessions based on existing tools that enable the experimentation and/or implementation of the topic introduced in the first part are used

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

Communications

We use a Signal group for communicating with each other

Signal is a cloud-based mobile and desktop messaging app with a focus on security and speed, it is an open source software, and can be used in any device (it has been developed for mobile and desktop devices)

Invitation link to join the group:

https://signal.group/#CjQKIHTrrVFEFQUfZu4AL4LmkQ0Rho3uH0yuipoLeTdnq9CSEhD0HPQbNZPDxh4_IL_FSc0m

Note: I need to approve each request by hand to allow you entering in the group

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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