Testi in italiano

Lingua insegnamento

ENGLISH

Contenuti (Dipl.Sup.)

Writing and publishing research papers (3 lessons, 1.5 CFU)
Scientific Communication: from theory to practice (3 lessons, 1.5 CFU)

Writing and publishing research papers – part I – 4h
Topic 1: Science writing as storytelling
Topic 2: Paper structure: from introduction to conclusions
Topic 3: Writing: from words to flow
Practical activity: Paper analysis and collective discussion

Writing and publishing research papers – part II – 4h
Topic 1: The peer review process
Topic 2: The journal selection: scope, ranking, or reputation.
Topic 3: The importance of a cover letter
Practical activity: Cover letter analysis and collective discussion
Topic 4: A career path in Scientific publishing: the personal experience of a Senior Editor of Science

Writing and publishing research papers – part III – 4h
Topic 1: Title and abstract
Practical activity A: Writing an abstract
Practical activity B: Abstract analysis and collective discussion
Topic 2: Seminar on “Successful scientific paper publishing: the process seen from inside” by Peter Stern (open to Faculty members and PhD students)

Scientific Communication: from theory to practice – part I – 4h
Topic 1: What is science communication and why we need to do it?
Topic 2: How to communicate effectively to a non-expert audience – general aspects
Topic 3: - pitches, 'non-scientific' abstracts and press releases: the upside-down pyramid scheme
Practical activity: write a ‘non-scientific’ abstract starting from a paper
Scientific Communication: from theory to practice – part II – 4h
Topic 1: How to give a dynamic presentation: content, slides and performance
Topic 2: How to organize a scientific poster
Topic 3: How to make an effective video
Practical activity (in groups): create a presentation + collective discussion

Scientific Communication: from theory to practice – part III – 4h
Topic 1: The evaluation of science communication activities: scicomm as a project
Topic 2: Communicating science on social media
Practical activity: analysis of good/bad examples of communication on social media + (in groups) delivery of social media contents (posts).

Testi di riferimento

Obiettivi formativi
The course aims to improve students' ability to communicate their research in a convincing and professional manner. It will raise their awareness of the qualities of good scientific writing and speaking, while giving them the tools and resources to improve their written and oral communication skills in the long term. The specific objectives of the course are the formation of skills for the processing and writing of scientific results for publishing in scientific journals and understand the peer-review process, as well as the presentation of research results in the format of oral or poster presentations at conferences. Finally, the course also aims at the development of the abilities to disseminate science to the lay public, policy makers and school students in dedicated educational programs.

Prerequisiti
None

Metodi didattici
Frontal lectures with power-point presentation
Class exercises (group work)
Light home exercise

Modalità di verifica dell'apprendimento
Class exercises (group work)

Programma esteso
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<th>Obiettivi Agenda 2030 per lo sviluppo sostenibile</th>
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<td>Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.</td>
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