

Testi del Syllabus

Resp. Did.	TONGIORGI ENRICO	Matricola: 005813
Docenti	TONGIORGI ENRICO, 1,5 CFU TURCONI MARCELLO MARIA, 1,5 CFU	
Anno offerta:	2023/2024	
Insegnamento:	917SV - SCIENTIFIC COMMUNICATION	
Corso di studio:	SM75 - NEUROSCIENCE	
Anno regolamento:	2023	
CFU:	3	
Settore:	NN	
Tipo Attività:	F - Altro	
Anno corso:	1	
Periodo:	Secondo Semestre	
Sede:	TRIESTE	



Testi in italiano

Lingua insegnamento	ENGLISH
Contenuti (Dipl.Sup.)	<p>Writing and publishing research papers (3 lessons, 1.5 CFU) Scientific Communication: from theory to practice (3 lessons, 1.5 CFU)</p> <p>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</p> <p>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</p> <p>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)</p> <p>Scientific Communication: from theory to practice - part I - 4h Topic 1: What is science communication and why do 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</p>

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

1) Ecartot et al. "Writing a scientific article: A step-by-step guide for beginners." (2015). <https://doi.org/10.1016/j.eurger.2015.08.005>

2) Nagda, S. How to Write a Scientific Abstract. J Indian Prosthodont Soc 13, 382-383 (2013). <https://doi.org/10.1007/s13191-013-0299-x>

3) Suiter AM, Sarli CC. Selecting a Journal for Publication: Criteria to Consider. Mo Med. 116(6):461-465 (2019). <https://pubmed.ncbi.nlm.nih.gov/31911720>

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

Writing and publishing research papers - part I - 4h (Enrico TONGIORGI)

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 (Peter STERN & Enrico TONGIORGI)

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 (Peter STERN & Enrico TONGIORGI)

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 (Marcello TURCONI)

Topic 1: What is science communication and why do 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 (Marcello TURCONI)

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 (Marcello TURCONI)

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).

Obiettivi Agenda 2030 per lo sviluppo sostenibile

Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.
 4.3; 4.4; 4.7

Obiettivi per lo sviluppo sostenibile

Codice	Descrizione
4	Istruzione di qualità



Testi in inglese

	ENGLISH
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	<p>Writing and publishing research papers (3 lessons, 1.5 CFU) Scientific Communication: from theory to practice (3 lessons, 1.5 CFU)</p> <p>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</p> <p>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</p>
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Writing and publishing research papers - part III - 4h

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Light home exercise

Class exercises (group work)

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Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.
4.3; 4.4; 4.7

Obiettivi per lo sviluppo sostenibile

Codice	Descrizione
4	Quality education