

Titolo del corso (in Inglese)	Scientific Writing
Sottotitolo (in Inglese)	Scientific Writing
Referente proponente (un membro del Collegio dei Docenti)	Prof. Francesco Ricca
Docente/i (Il corso può essere tenuto da uno o più docenti, interni – ivi incluso il referente - oppure esterni, purché di elevata qualificazione.)	Prof. Francesco Ricca, Dott. Manuel Alejandro Borroto Santana
Abstract generico del Corso (in Inglese)	<p>The course offers a comprehensive approach to refining the written communication skills needed for success in academia. Specifically, the course focuses on the fundamental principles of scientific writing, including the organization of ideas, the construction of coherent arguments, and adherence to disciplinary conventions. Participants will learn to navigate the intricacies of academic discourse, ensuring that their research contributions are communicated effectively to diverse audiences.</p> <p>In addition to traditional writing techniques, the course addresses contemporary challenges such as interdisciplinary collaboration and the dissemination of research in digital formats.</p> <p>Participants will explore strategies for leveraging technology to enhance the visibility and impact of their scholarly work.</p> <p>At the end of the course, participants will develop proficiency in articulating complex research findings with clarity and precision.</p>
Abstract specifico del Corso (in Inglese)	<p>Scientific writing is a specialized form of communication within academia, aimed at conveying research findings, theories, and methodologies to peers and the wider scientific community. Unlike other forms of writing, scientific writing adheres to strict conventions and standards, emphasizing clarity, objectivity, and precision. It typically follows a structured format, such as the IMRaD (Introduction, Methods, Results, and Discussion) model, and employs specialized vocabulary to convey complex ideas accurately.</p> <p>In contrast to normal writing, scientific writing prioritizes factual accuracy and reproducibility over literary flourish or personal expression. While both forms of writing aim to convey information effectively, scientific writing places greater emphasis on rigorous methodology, logical argumentation, and evidence-based reasoning.</p> <p>Additionally, scientific writing often includes citations and references to support claims and acknowledge prior research, fostering transparency and accountability within the scientific community.</p> <p>This course aims to enhance scientists' writing proficiency through practical exercises and real-world examples, and to equip participants with the essential skills required for success in academia.</p>

	<p>Specifically, its core principles are the organization of ideas and the construction of coherent arguments.</p> <p>Covered topics include principles of effective writing, techniques for overcoming writing obstacles, scientific manuscript formatting, and navigating publication and peer review dynamics.</p>
Elenco analitico degli argomenti (in Inglese)	<ul style="list-style-type: none"> • What is Research? <ul style="list-style-type: none"> ○ Definition of research ○ Definition of Scientific research ○ Meaningful, significant research ○ Pure and applied research • Scientific Writing <ul style="list-style-type: none"> ○ Why we write it up? ○ Formal papers ○ Paper types and venues ○ Paper publication process • Foundations of Scientific Writing <ul style="list-style-type: none"> ○ Introduction to Scientific Writing ○ Understanding Audience and Purpose ○ How to serve the reader ○ Crafting Clear Sentences and Paragraphs ○ Writing Concisely without Sacrificing Meaning • Structuring Scientific Manuscripts <ul style="list-style-type: none"> ○ Introduction to IMRAD Format (Introduction, Methods, Results, and Discussion) ○ How to write an introduction? ○ Organizational Strategies ○ Proper Use of Citations and References • Navigating the Publication Process <ul style="list-style-type: none"> ○ Understanding the Publication Timeline ○ Selecting the Right Journal for Your Manuscript ○ Preparing Your Manuscript for Submission • Tools for paper writing <ul style="list-style-type: none"> ○ TeTex Suite, Overleaf, ... ○ Reference management systems ○ Tools for managing versions and optimize co-working • Evaluation of Research <ul style="list-style-type: none"> ○ Peer Review and Collaboration ○ Importance of Peer Review in Scientific Publishing ○ Basics of bibliometry • Advanced Topics in Scientific Writing <ul style="list-style-type: none"> ○ How to prepare an effective presentation ○ Research Ethics ○ Addressing Scientific Writing Issues: Plagiarism, Authorship, and Reproducible Research ○ Writing a research proposal: grants, projects • Practice and Application <ul style="list-style-type: none"> ○ Writing Exercises and Prompts ○ Peer Review and Feedback Sessions on Practice Assignments ○ Incorporating Feedback to Improve Writing Skills

<p>Ore di didattica frontale prevista</p> <p><i>(Per uniformità e al fine di agevolare l'organizzazione, risulta preferibile – sebbene non è da intendersi come vincolo – organizzare il corso su 12 ore complessive, articolate in 4/6 incontri.)</i></p>	<p>12 ore in 4 incontri, da 3 ore ciascuno.</p>
<p>Prova di verifica</p> <p><i>(E' obbligatorio prevedere una prova finale. Essa può essere tuttavia articolata con flessibilità: progetti, orale, discussione di lavori scientifici, ...)</i></p>	<ul style="list-style-type: none"> • Writing and Presenting a Research Proposal or Scientific Paper • Peer Evaluation and Feedback Session
<p>Periodo di erogazione</p> <p><i>(Riportare preferenza sul mese in cui deve essere erogato il corso)</i></p>	<ul style="list-style-type: none"> • 13/05/2025 • 14/05/2025 • 15/05/2025 • 16/05/2025