



**Scientific Writing for Life Sciences  
and Chemistry (529-0079-00L)  
– taught every spring semester –**

## About the course

This 1-semester course introduces students to the practical and theoretical principles of scientific writing in English. To improve their language skills, students will do practical exercises and write short scientific texts, which will be returned with feedback from the instructor.

The course, intended for Master's and doctoral students, provides a solid foundation for writing scientific articles or theses. Students are encouraged to write on a topic close to their research area.

Students will learn how to 1) structure, write, and revise scientific texts for different target audiences in English, 2) publish their work, and 3) communicate the importance of their work to others. They will also learn which tools are available for each step of the writing process and how to use them.

The following topics will be covered in 14 weeks:

1. Writing texts for target audiences
2. Creating a flow, storytelling
3. Content writing
4. Writing English like a native speaker
5. Structure of a research article
6. Figures, tables, and visualizations
7. Citation and using reference managers
8. Revising texts and proofreading
9. The scientific publishing industry
10. Submitting to a journal
11. Communication, outreach, impact analysis
12. Content writing, using style guides including that of ETH Zurich
13. Plagiarism, Good Scientific Practice, FAIR Principles

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Life Sciences and Chemistry  
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Tuesdays, 11:45 –12:30  
HCI H 8.1  
Course runs each spring semester**

### Competencies taught

Subject-specific competencies: Concepts and theories

Method-specific competencies: Analytical competencies

Social competencies: Communication and customer orientation

## Your lecturer: Gina M. Cannarozzi-Bossard



Gina Cannarozzi, a dual US/Swiss citizen, has been an Information Consultant for Life Sciences at the Information Center since July 2021. Her career in scientific computing has taken her from physical chemistry at UC San Diego where she received a doctorate doing solid-state NMR, to computer science at ETH Zurich where she developed software for bioinformatics analyses, to the Institute of Plant Sciences at the University of Bern in 2011, where she was responsible for next-generation sequencing and genomics. Biological sequence analysis at the level of codons and food security in a changing climate are two of her interests. She has authored or coauthored more than 40 scientific papers.