

Transferable Skills for Chemists

[Choosing title for manuscript](#)

[Tips for Writing Better Science Papers](#)

Scope:

The course is directed to all graduate students in chemistry-related areas of science and engineering.

Contents:

1. Introduction
2. Composing research summaries
3. How to make good use of scientific literature?
4. Preparing and delivering oral presentations
5. Writing scientific papers
6. * Assignment 1
7. Design and organization of chemical laboratory
8. Intra-laboratory communication
9. Effective time management
10. When and how to use statistics?
11. How to disseminate the research outcomes?
12. * Assignment 2
13. Collaborations with academia and industry
14. Protecting intellectual property
15. Applying for research funding

16. Applying for a job

17. Attending job interview

18. * Assignment 3

The contents of the course will be adjusted to the needs of the participants.

Evaluation:

* Final mark will be based on the evaluation of three assignments (3 x 25%), and attendance in the class (25%). Additional points (up to 15%) can be gained for active participation in the class.

Requirements:

Graduate students enrolled in DAC, IMS, SPIMS, and TIGP programs can attend this course.

Study material:

Handouts will be provided for selected topics.

Useful links: (This section will be expanded.)

[Introducing seminar speakers](#)

[On Being a Scientist](#)

[Scientific method: Statistical errors](#)

[How to write a paper \(New York Blog\)](#)

[Outline system \(an article by G. Whitesides\)](#)

[Writing a clear and engaging paper \(an article by L. Sage\)](#)

[Writing Journal Articles](#)

[Tips for Your Poster and Your Presentation](#)