

CH-643

Physical Chemistry Seminar 1: Trends

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Cursus	Sem.	Type
Chemistry and Chemical Engineering		Opt.

Language of teaching	English
Credits	1
Session	
Exam	Term paper
Workload	30h
Hours	30
Courses	14
Project	16
Number of positions	

Frequency

Every 3 years

Remark

Spring 26 + Fall 26

Summary

Students can learn about the broader research in Physical Chemistry and broaden their horizon beyond their own field by listening to 14 talks by speakers presenting their recent research. The students get the opportunity to also personally meet the speakers and discuss research topics.

Content

14 lectures per calendar year about research activities of invited speakers. The talks will cover diverse topics across the field of Physical

Chemistry. The themes may include but are not limited to studying quantum phenomena, function, and dynamics in molecular or materials

systems with spectroscopy, imaging, or theoretical approaches. The goal of this course is to broaden the students' horizon by making them

familiar with current topics in Physical Chemistry, in particular with ongoing research outside their own field.

The speakers and talk titles will be announced at the beginning of each semester on the Physical Chemistry Seminars website.

Assessment:

Attend a minimum of 14 seminars per year (7 per semester). At the end of the calendar year, students submit a short report summarizing the main topics covered in the seminars, with particular focus on one selected seminar, along with a critical reflection on what they learned.

Keywords

Physical chemistry; spectroscopy, imaging, theory, ultrafast; quantum phenomena, function, dynamics, materials; molecular and materials properties, interfaces; research talks;

Assessment methods

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Resources**Websites**

- https://www.epfl.ch/schools/sb/research/isic/news-events/physical_chemistry_seminars/

Moodle Link

- <https://go.epfl.ch/CH-643>