PHYS-821

Optical Probing of Nanomaterials

Carbone Fabrizio

Cursus	Sem.	Type
Physics		Opt.

Language of teaching	English
Credits	2
Session	
Exam	Project report
Workload	60h
Hours	**40**
Courses	10
Exercises	6
TP	24
Number of positions	**30**

Frequency

Only this year

Remark

Registration via https://opneq.ethz.ch/

Summary

Intensive one-week block course on continuous-wave and ultrafast optical probing of nanomaterials, covering nanophotonics, thin-film growth monitoring, correlated thin films and transient dynamics (phase transitions), and advanced spectroscopic methods and optical simulations.

Content

Note

Tuition fees: PhD students: CHF 150, Master students: 50 CHF.
Venue: 2-5 June 2026, at ETH Zurich, Hoenggerberg Campus
ETHZ organizers contact email address: dsapalidis@phys.ethz.ch.
Details for the registration are available on the website.

Keywords

nanomaterials, ultrafast optics, photonics, spectroscopy, quantum materials, condensed matter physics

Assessment methods

Examination includes a poster presentation and a moodle online exam.

Resources

Websites

- http://OPNEq.ethz.ch

Moodle Link

- https://go.epfl.ch/PHYS-821