

Code	Title	Lecturer (s)	ECTS	Timetable Room
PHYS 753	Dynamics of Astrophysical Fluids and Plasmas	Schober J.	4	THU 10:15 - 12:00 (L) & 13:15 - 15:00 (E) PH H3 31 (Build. PH)
PHYS 719	Advanced biomedical imaging methods and instrumentation	Mishkovsky M.-M.	4	FRI 13:15 - 15:00 (L) & 15:15 - 17:00 (E) CH F1 542 (Build. CH)
PHYS 640	Neutron and X-ray Scattering of Quantum Materials	Fogh E., Schmitt T.	4	MON 14:15-16:00 (L) & 16:15 - 18:00 (E) CH B2 355 (Build. CH)
PHYS 638	Some aspects of topology in condensed matter physics	Mudry Ch.	4	MON 13:15 - 17:00 CE 1 100 (Centre Est)
PHYS 745	Spin dynamics	Ansermet J.-Ph., invited lecturers	4	FRI 8:15 - 10:00 (L) & 10:15 - 12:00 (E) PH H3 31 (Build. PH) & Zoom
PHYS 702	Advanced Quantum Field Theory	Bellazzini B.	4	FRI 9:15 - 11:30 (L) & 11:45 - 13:00 (E) BSP 727 (Cubotron)
PHYS 739	Conformal Field Theory and Gravity	Guica M., Mathys G., Papadodimas K., Trevisani E.	4	WED 9:15 - 11:00 (L) & 11:15 - 13:00 (E) BSP 727 (Cubotron)
PHYS 741	Gauge Theories and the Standard Model	Cohen T.	4	TUE 13:15 - 16:00 (L) & 16:15 - 17:00 (E) BSP 727 (Cubotron)
PHYS 761	Advanced radiation sources	Carbone F., Puppin M., Johnson S.	4	TUE 14:15 - 16:00 (L) & THU 14:15 - 16:00 (E) CH G1 495 (Build. CH)
PHYS 743	Parallel programming	Lanti E., Richart N.	3	MON 13.11.23 - FRI 17.11.23 (Block course) AAC 0 06 (Build. AAC) & MED 2 1522 (Build. MED)
PHYS 736	Plasma Instabilities	Brunner S., Graves J.	4	THU 8:30 - 12:30 PPB 019 (SPC) & Zoom
PHYS 641	Quantum computing	Savona V.	4	THU 8:15 - 10:00 (L) & 10:15 - 12:00 (E) Room CE 1 104 (Centre Est)

Invited lecturers

PHYS 619	Many-Body Approaches to Quantum Fluids	Holzmann Markus (CNRS Grenoble) - Host G. Carleo	1	22/09, 29/09, 6/10, 13/10, 20/10, 10/11, 17/11, 24/11, 8/12 13:30 - 15:30 Rooms MA A3 30 (Build. MA) & PH H3 33 (Build. PH)
----------	--	--	---	---

Master courses

PHYS 302	Biophysics : physics of biological systems	Rahi S.	4	Fall every year (see link)
PHYS 441	Statistical physics of biomacromolecules	De Los Rios P.	4	Fall every year (see link)

Astrophysics
Biophysics
Condensed Matter
High Energy Physics
Various
Plasmas
Quantum Science and Technology

If not precised, the courses usually start as of the 1st week of the semester.

**** For EDPY PhD students, please enrol via the [course registration form](#) ****

Please note that this timetable is subject to modifications.