

Teaching plan - PhD programme in Physics and Astronomy

38°Cycle a.y. 2022/2023

Course	SSD	hrs	credits	Educational form*	Type of activity**	Mandatory/Chosen activity
Advanced Teoretical physics	FIS/02	16	2	Lecture	Curricular	Chosen
Quantum Computing and technologies	FIS/02-FIS0/4	16	2	Lecture	Cross-Curricular	Chosen
Cosmology	FIS/05	16	2	Lecture	Curricular	Chosen
Topics on Astrophysics	FIS/05	16	2	Lecture	Curricular	Chosen
Physics at Colliders	FIS/01	16	2	Lecture	Curricular	Chosen
Topics in Python and C++	ING-INF/01	20	2	Laboratory	Cross-Curricular	Chosen
Deep Learning for Physicists	ING-INF/01	10	1	Laboratory	Cross-Curricular	Chosen
Electronics for Physicists	ING-INF/01	16	2	Lecture	Cross-Curricular	Chosen
Topics on plasma physics	FIS/03	8	1	Lecture	Curricular	Chosen
Topics on applied physics	FIS/07	8	1	Lecture	Curricular	Chosen
Total hrs/credits		142	17			

Educational form*

lecture
laboratory training
seminar

Type of activity**

curricular
cross-curricular