

Teaching plan - PhD programme in Physics and astronomy

36°Cycle a.y. 2020/2021

Course	SSD	hrs	credits	Educational form*	Type of activity**	Mandatory/ Chosen activity
String theory	FIS/02	16	2	Lecture	Curricular	Chosen
Effective Field Theory	FIS/02	16	2	Lecture	Curricular	Chosen
Cosmology	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
Machine learning	FIS/07	10	1	Laboratory	Cross-Curricular	Chosen
Electronics for Physicists	ING-INF/01	16	2	Lecture	Cross-Curricular	Chosen
Topics on microelectronics	ING-INF/01	16	2	Lecture	Cross-Curricular	Chosen
Topics on plasma physics	FIS/03	8	1	Lecture	Curricular	Chosen
Total hrs/credits		134	16			

Educational form*

lecture
 laboratory training
 seminar

Type of activity**

curricular
 cross-curricular