

Teaching plan - PhD programme in Physics and Astronomy

35°Cycle a.y. 2019/2020

Course	SSD	hrs	credits	Educational form*	Type of activity**	Mandatory/Chosen activity
Lattice gauge theory	FIS/02	16	2	Lecture	curricular	Chosen
Higgs boson physics: from discovery to precision	FIS/01	16	2	Lecture	curricular	Chosen
Physics of Galaxy Clusters	FIS/05	8	1	Lecture	curricular	Chosen
Introduction to Experimental Cosmology	FIS/05	10	1	Lecture	curricular	Chosen
Advanced plasma physics	FIS/01-FIS/03	16	2	Lecture	curricular	Chosen
Principles of laser physics and non-linear optics	FIS/03	16	2	Lecture	curricular	Chosen
Semiconductor trip: from a simple idea to a complex manufacturing	FIS/01-FIS/03	24	2	seminars	cross-curricular	Chosen
C++ advanced topics	INF-ING/01	24	2	Laboratory	cross-curricular	Chosen
Introduction to Python programming	INF-ING/01	10	1	Laboratory	cross-curricular	Chosen
Total hrs/credits		140	15			

Educational form*

 lecture
 laboratory training
 seminar

Type of activity**

 curricular
 cross-curricular