

## PHD in **Branch:Physics**

**Including 3 Specialities:Physics of The Earth / Theoretical physics & Astrophysics / Material physics**

*This is a post-graduate formation completing the available graduate formations : Bachelor and Master in Physics. It will allow PhD candidates to be initiated to scientific research methods and techniques. Besides that, they will treat a problematic related to their fields of enrollment as a Thesis topic, under supervision of highly qualified researchers.*

Field	Branch	Speciality
Science of Matter	<i>Physics</i>	<i>Physics of The Earth Theoretical Physics &amp; Astrophysics Material Physics</i>

## First Semester

Teaching unit	Matter	Course	seminar	workshop	HV/W
Fundamental Unit	Advanced Electromagnetics	X			30
Methodological unit	TIC	X			15
	Methodology	X			21
	Educational Methods	X			21
Transversale Unit	Scientific English	X			21

## Second Semester 2

Teaching unit	Matter	Course	seminar	workshop	HV/W
	Modeling and Simulation of Physical Systems	X			30
Methodological unit	TIC	X			15
	Methodology	X			21
	Educational Methods	X			21
Discovery unit	Workshops of programming languages			X	21
	Conferences		X		15
Transversale Unit	Scientific English	X			21

### Personal Work ;

\*Participation of students in scientific events (study days, forums, publication of articles in peer-reviewed scientific journals) during the six semesters.

\* Defend a doctoral thesis from the sixth semester