UCL Université catholique de Louvain

LPHY2372

2015-2016

Experimental methods

4.0 credits	30.0 h + 15.0 h	1q

Teacher(s) :	Urbain Xavier ; Piotrzkowski Krzysztof ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	- Introduction to the measure theory - Physical parameter measure, microscopic and macroscopic - Detectors : principals and use
Aims :	The objective of the course is to familiarize the student with some experimental methods of modern physics and especially corpuscular physics (particle physics, nucleuses, atoms or molecules). Certain methods are encountered by the student that is doing a thesis in an experimental unit of the physics department. *The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".*
Other infos :	Prerequisites: general physics. Openings: the course prepares students to experimental research in corpuscular physics. Exercise sessions are consecrated to the critic, by students, of an experience realized in laboratory.
Faculty or entity in charge:	PHYS

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Physics	PHYS2M	4	-	
Minor in Physics	LPHYS100I	4	-	
Master [60] in Physics	PHYS2M1	5	-	
Master [120] in Physical Engineering	FYAP2M	4	-	
Additionnal module in Physics	LPHYS100P	4	-	