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Introduction

Admission

For the specific conditions of this program : refer to the French version

Information

Learning outcomes

The aim of the minor is to provide students whose core program (major) includes a substantial introduction to this field and who could envisage studying for a master's in physical science with additional training in physics.

Possible trainings at the end of the programme

MATH, FSA or GEOG bachelors who have taken this minor will be admitted on to the master's in physical science, possibly with a program adapted to suit their needs. The same rule applies to other students who have taken this minor, with possible restrictions depending on their course background. Nevertheless, any student who wishes to make this change to his/her study path is invited to make contact with the conseiller aux études (course adviser) from his/her own faculty as well as that of the department of physics.

Contacts

Curriculum Managment

Entite de la structure PHYS

Acronyme	PHYS
Dénomination	Ecole de physique
Adresse	Chemin du Cyclotron, 2 bte L7.01.04 1348 Louvain-la-Neuve Tél 010 47 32 94 - Fax 010 47 30 68
Site web	https://www.uclouvain.be/phys
Secteur	Secteur des sciences et technologies (SST)
Faculté	Faculté des sciences (SC)
Commission de programme	Ecole de physique (PHYS)

Jury

Usefull Contacts

Conseiller aux études : **Vincent Lemaitre**

Secrétaire de l'Ecole de physique : **Roseline Van Dyck**

Detailed programme

PROGRAMME BY SUBJECT

● Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊖ Periodic courses not taught during 2013-2014

‡ Two years course

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

2 3

⊗ Cours accessibles dès la deuxième année de baccalauréat

⊗ LPHY1211	General Physics 3	Jan Govaerts, Vincent Lemaitre	30h+30h	5 Credits	1q	x	
⊗ LPHY1221	Group theory	Philippe Ruelle	22.5h +15h	5 Credits	2q	x	
⊗ LPHY1222	Quantum Physics	Fabio Maltoni	30h+30h	5 Credits	2q	x	
⊗ LPHY1223	Special Relativity	Jean-Marc Gérard, Jan Govaerts	22.5h +15h	4 Credits	1q	x	
⊗ LPHY1251	Statistical physics and Thermodynamics I	Hugues Goosse, André Nauts	30h +22.5h	4 Credits	2q	x	
⊗ LPHY1261	Astronomy and geophysics	Véronique Dehant (coord.), Patricia Lampens	15h+7.5h	2 Credits	2q	x	

⊗ Cours accessibles dès la troisième année de baccalauréat

⊗ LPHY1311	Classical electromagnetism	Krzysztof Piotrkowski	37.5h +15h	6 Credits	1q	x	x
⊗ LPHY1322	Quantum Physics 2	Christophe Ringeval	45h +22.5h	6 Credits	1q	x	x
⊗ LPHY1331	Elementary nuclei and particules	Vincent Lemaitre	30h+10h	4 Credits	2q	x	x
⊗ LPHY1341	Atoms and molecules	André Nauts, Xavier Urbain	30h+10h	4 Credits	2q	x	x
⊗ LPHY1351	Statistical and thermodynamic physics 2	Christian Hagendorf	30h +22.5h	4 Credits	2q	x	x
⊗ LPHY1352	Physics of fluids	Eric Deleersnijder, Vincent Legat	45h +22.5h	6 Credits	1q	x	x
⊗ LPHY1342	Etat solide	Giacomo Bruno, Christophe Delaere	30h+20h	5 Credits	2q	x	x
⊗ LPHY2371	Numerical Simulation in Physics	Michel Crucifix, Bernard Piroux	22.5h +30h	5 Credits	1q	x	x
⊗ LPHY2372	Experimental methods	Krzysztof Piotrkowski, Xavier Urbain	30h+15h	5 Credits	1q	x	x

Infos

