UCLouvain

PHYS2M5

2026 - 2027

Master [60] of Education, Section 5 : Physics

At Louvain-la-Neuve - 60 credits - 1 year - Day schedule - In French
Dissertation/Graduation Project : **YES** - Internship : **YES**
Activities in English: **NO** - Activities in other languages : **NO**
Activities on other sites : **NO**
Main study domain : **Sciences de l'éducation et Enseignement**
Organized by: **Faculty of Science (SC)**
Programme acronym: **PHYS2M5**

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Learning outcomes

On successful completion of this programme, each student is able to :

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PHYS2M5 Programme

Detailed programme by subject

CORE COURSES

- Mandatory
- Optional
- Not offered in 2026-2027
- Not offered in 2026-2027 but offered the following year
- Offered in 2026-2027 but not the following year
- Not offered in 2026-2027 or the following year
- Activity with requisites
- Open to incoming exchange students
- Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Didactique et Pédagogie (20 credits)

Un cours parmi :

LEISS2101	General pedagogy *Cours dispensé à LLN en horaire de jour*		FR [q1] [37.5h] [5 Credits]
LEISS2102	General pedagogy *Cours dispensé à LLN en horaire décalé*		FR [q1] [37.5h] [5 Credits]
MEISS2103	General pedagogy *Cours dispensé à Mons en horaire décalé*		FR [q1] [30h] [5 Credits]
LSCI2360	Teaching and learning core sciences		FR [q1] [37.5h] [5 Credits]
LPHYS2320A	Didactics ans epistemology of science and physics - D2		FR [q1] [22.5h+7.5h] [3 Credits]
LPHYS2320B	Didactics ans epistemology of science and physics - D3		FR [q2] [22.5h+7.5h] [3 Credits]

Un cours pami :

LMAT2320C	Didactics and epistemology of mathematics		FR [q1] [22.5h+7.5h] [4 Credits]
LCHM2320D	Didactics and epistemology of science and chemistry		FR [q1+q2] [20h+20h] [4 Credits]
LBIO2320D	Didactics and epistemology of science and biology		FR [q1+q2] [30h] [4 Credits]

Sciences humaines et sociales (15 credits)

Un cours parmi :

⊠ LEISS2201	Developmental and learning psychology *Cours dispensé à LLN en horaire de jour*	Véronique Leroy (compensates Baptiste Barbot) Nathalie Roland Morgane Senden	FR [q2] [37.5h+15h] [4 Credits]
⊠ LEISS2202	Developmental and learning psychology *Cours dispensé à LLN en horaire décalé*	Véronique Leroy Nathalie Roland Morgane Senden	FR [q2] [37.5h+15h] [4 Credits]

Un cours parmi :

⊠ LEISS2203	Social, cultural, and political approaches to education *Cours dispensé à LLN en horaire de jour*	Branka Cattonar Vincent Dupriez	FR [q2] [37.5h+15h] [4 Credits]
⊠ LEISS2204	Social, cultural, and political approaches to education *Cours dispensé à LLN en horaire décalé*	Branka Cattonar Vincent Dupriez	FR [q2] [37.5h+15h] [4 Credits]

Un cours parmi :

⊠ LEISS2205	Ethics of education, neutrality, and citizenship *Cours dispensé à LLN en horaire de jour*	Hervé Pourtois	FR [q2] [22.5h] [2 Credits]
⊠ LEISS2206	Ethics of education, neutrality, and citizenship *Cours dispensé à LLN en horaire décalé*	John Pitseys	FR [q2] [22.5h] [2 Credits]

Un cours parmi :

⊠ LEISS2104	Communication in school contexts *Cours dispensé à LLN en horaire de jour*		FR [q1] [22.5h+15h] [5 Credits]
⊠ LEISS2105	Communication in school contexts *Cours dispensé à LLN en horaire décalé*		FR [q1] [22.5h+15h] [5 Credits]
⊠ MEISS2106	Communication in school contexts *Cours dispensé à Mons en horaire décalé*		FR [q1] [15h+15h] [5 Credits]

Stages (20 credits)

LSCI2370	Observation internship in common core sciences (24 hours) and support seminar		FR [q1] [15h] [5 Credits]
LPHYS2350	Long internship (125 hours) and accompanying seminar in physics and science [M]		FR [q1+q2] [45h+22.5h] [15 Credits]

Recherche et intégration (5 credits)

Les deux UE doivent obligatoirement être suivies la même année.

LEISS2900	Methodology of research uses *Cours dispensé à LLN en horaire décalé*	Stéphane Colognesi	FR [q1+q2] [15h] [2 Credits]
LSCI2340	Integrated work and integrated work support seminar	Myriam De Kesel Gabriel Dias de Carvalho Junior Laure Ninove	FR [q1+q2] [30h+22.5h] [3 Credits]

Maîtrise de la langue française

Une épreuve liminaire de maîtrise de la langue française (EMLF) devra être présentée par les étudiants inscrits en master en enseignement (section 4 et section 5). Cet examen OBLIGATOIRE est généralement organisé le 3e mardi d'octobre. Le seuil de réussite de l'examen est fixé à 10/20. En cas d'échec, l'étudiant.e se verra ajouter à son PAE une UE de 5 crédits portant sur la maîtrise de la langue française. Il ne pourra en aucun cas être diplômé si cette UE n'est pas réussie. Inscription à l'épreuve liminaire via la plateforme de l'EMLF. Pour plus d'information

From 0 to 5credit(s)

LEISS2207	French language mastery for teaching *L'UE sera retirée du programme annuel de l'étudiant en cas de réussite de l'épreuve liminaire*	Caroline Scheepers	FR [q2] [37.5h+7.5h] [5 Credits]

Supplementary classes

To access this Master, students must have a good command of certain subjects. If this is not the case, in the first annual block of their Masters programme, students must take supplementary classes chosen by the faculty to satisfy course prerequisites.

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LMAT1222	Complex analysis 1	Tom Claeys	FR [q2] [30h+15h] [5 Credits] *> English-friendly*
LMAT1261	Lagrangian and Hamiltonian mechanics	Christian Walmsley Hagendorf	FR [q1] [22.5h+30h] [5 Credits] *> English-friendly*
LPHYS1213	Physics of fluids	Michel Crucifix Eric Deleersnijder	FR [q2] [37.5h+30h] [5 Credits]

The programme's courses and learning outcomes

For each UCLouvain training programme, a reference framework of learning outcomes specifies the the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

PHYS2M5 - Information

Access Requirements

SUMMARY

Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
		Access based on application	
		Direct access	
		Access based on application	
Masters			
		Direct access	
		Direct access	
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Access based on validation of professional experience

Access based on application

Admission and Enrolment Procedures for general registration

Evaluation

The evaluation methods comply with the Academic regulations and procedures. More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".