UCLouvain

BIOL2M5

2026 - 2027

Master [60] of Education, Section 5 : Biology

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: **BIOL2M5**

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BIOL2M5 - Introduction

Introduction

BIOL2M5 - Teaching profile

Learning outcomes

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

1

2

3

4

5

BIOL2M5 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*	Lara Hérinne	FR [q1] [37.5h] [5 Credits]
LEISS2102	General pedagogy *Cours dispensé à LLN en horaire décalé*	Yaovi Ayivor	FR [q1] [37.5h] [5 Credits]
MEISS2103	General pedagogy *Cours dispensé à Mons en horaire décalé*	Pierrick Renuart	FR [q1] [30h] [5 Credits]
LSCI2360	Teaching and learning core sciences	Matthieu Dontaine Nathalie Matthys	FR [q1] [37.5h] [5 Credits]
LBIO2320A	Didactics and epistemology of science and biology - D2	Myriam De Kesel	FR [q1] [22.5h+7.5h] [3 Credits]
LBIO2320B	Didactics and epistemology of science and biology - D3	Myriam De Kesel	FR [q2] [22.5h+7.5h] [3 Credits]

Un cours parmi :

LCHM2320D	Didactics and epistemology of science and chemistry	Marc de Wergifosse	FR [q1+q2] [20h+20h] [4 Credits]

⊠ LPHYS2320D	Didactics ans epistemology of science and physics	Gabriel Dias de Carvalho Junior	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 Nathalie Roland (compensates Baptiste Barbot) Morgane Senden Morgane Senden (compensates Baptiste Barbot)	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*	Samir Barbana (compensates Vincent Dupriez) Branka Cattonar	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*	John Pitseys (compensates Hervé Pourtois)	EN [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*	Yaovi Ayivor Isabelle Bouchez Maxim Peeters Virginie Tricot Sophie Welvaert	FR [q1] [22.5h+15h] [5 Credits]
⊠ LEISS2105	Communication in school contexts *Cours dispensé à LLN en horaire décalé*	Lara Hérinne Jessy Ketels Laurence Martin	FR [q1] [22.5h+15h] [5 Credits]
⊠ MEISS2106	Communication in school contexts *Cours dispensé à Mons en horaire décalé*	Pierrick Renuart	FR [q1] [15h+15h] [5 Credits]

Stages (20 credits)

LSCI2370	Observation internship in common core sciences (24 hours) and support seminar	Alice Ledent (coord.)	FR [q1] [15h] [5 Credits]
LBIO2350	Long internship (125 hours) and accompanying seminar in biology and science	Sylvain Corrillon Myriam De Kesel (coord.) Nathalie Galland	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 Stéphanie Wilmet	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.

- Mandatory
- Optional
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Optional LPHY1101	Physics 1	Michel Crucifix Thierry Fichefet	FR [q1] [32h+46h] [6 Credits]
Optional LPHY1103	Additional physics	Gabriel Dias de Carvalho Junior Matthieu Génévriez	FR [q2] [40h+10h] [4 Credits]
Optional LCHM1111B	General chemistry	Benjamin Elias Alexandru Vlad	FR [q1] [45h+45h] [8 Credits]
Optional LCHM1141B	Organic chemistry	Benjamin Elias Charles-André Fustin	FR [q2] [30h+30h] [6 Credits]
Optional LCHM1242	Bio-organic chemistry	Patrice Soumillion Milan Vander Wee-Leonard (compensates Benjamin Elias)	FR [q1] [30h+10h] [3 Credits]
Optional LCHM1271A	Elements of biochemistry	Patrice Soumillion	FR [q1] [30h+20h] [3 Credits]
Optional LBIO1110	Life : diversity and evolution	Patrick Dumont François Renoz	FR [q1] [30h+10h] [4 Credits]
Optional LBIO1111	Cell and molecular biology	Patrick Dumont Charles Hachez	FR [q1] [30h+20h] [5 Credits]
Optional LBIO1112	Organism biology : plants and animals	Muriel Quinet Jean-François Rees	FR [q2] [30h+30h] [6 Credits]
Optional LBIO1116	Scientific approach in biology	Muriel Quinet Nicolas Schtickzelle	FR [q2] [30h+30h] [4 Credits]
Optional LBIO1117	Ecology I	Claire Hermans (compensates Renate Wesselingh)	FR [q2] [30h+10h] [4 Credits]
Optional LBIO1217	Ecology II	Grégory Mahy	FR,EN [q2] [30h+10h] [3 Credits] *> French-friendly*
Optional LBIO1235	General cell physiology	Stanley Lutts Jean-François Rees	FR [q1] [15h+15h] [2 Credits]
Optional LBIO1223	Molecular biology	Corentin Claeys Bouuaert Bernard Hallet	FR [q2] [50h+20h] [6 Credits]
Optional LBIO1121	Genetics	Charles Hachez	FR [q2] [20h+15h] [2 Credits]
Optional LBIO1310	Biological evolution	Simon Baeckens François Renoz René Rezsohazy	FR [q2] [30h+10h] [3 Credits]
Optional LBIO1330	Integrated animal biology : reproduction and development	Laure Bridoux (compensates René Rezsohazy) Patrick Dumont	FR [q1] [30h+10h] [3 Credits]

⊠ LBIO1333	Integrated animal biology: circulation, respiration, digestion and excretion	Patrick Dumont Françoise Gofflot Françoise Gofflot (compensates René Rezsohazy)	FR [q2] [30h+10h] [3 Credits]
⊠ LBIO1355	Speciation : origin of biodiversity	Alice Mouton (compensates Simon Baeckens) Renate Wesselingh	FR [q1] [20h+10h] [2 Credits]
⊠ LSST1002M	Information and critical thinking - MOOC	Anne Bauwens (compensates Jean-François Rees)	FR [q1] [30h+15h] [3 Credits]
⊠ LBRMC2101	Genetic engineering	François Chaumont (coord.) Charles Hachez	FR [q1] [37.5h+15h] [5 Credits] *> English-friendly*
⊠ LBBMC2102	Integrated molecular and cellular biology	Henri Batoko Bernard Hallet Pierre Morsomme Melissa Page	EN [q1] [30h] [3 Credits]
⊠ LBOE2111	Advanced and applied evolutionary biology	Simon Baeckens Alice Dennis	EN [q1] [35h+30h] [3 Credits]
⊠ LBOE2120	Conservation de la biodiversité	Nicolas Schtickzelle	FR [q1] [45h+15h] [4 Credits]
⊠ LBOE2161	Behavioral ecology and sociobiology	Hans Van Dyck	FR [q2] [30h+15h] [4 Credits]
⊠ LBOE2191	Ecology and society	Hans Van Dyck	FR [q2] [30h] [2 Credits]
⊠ LVETE1337	Immunology	Pauline Loos	FR [q1] [25h+10h] [3 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.

BIOL2M5 - Information

Access Requirements

SUMMARY

- > General access requirements
- > Specific access requirements
- > Holders of a 2nd cycle University degree
- > Holders of a non-University 2nd cycle degree
- > Access based on validation of professional experience
- > Access based on application
- > Admission and Enrolment Procedures for general registration

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	
		Direct access	
		Access based on application	
		Access based on application	
		Access based on application

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Holders of a non-University 2nd cycle degree

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".