



The version you're consulting is not definitive. This programme still may change. The final version will be published on 1th June.

At Louvain-la-Neuve - 120 credits - 2 years - 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: **CHIM2M4**

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CHIM2M4 - Introduction

Introduction

CHIM2M4 - Teaching profile

Learning outcomes

CHIM2M4 Programme

Detailed programme by subject

CORE COURSES

- Mandatory
- ⊗ Optional
- △ Not offered in 2025-2026
- ⊙ Not offered in 2025-2026 but offered the following year
- ⊕ Offered in 2025-2026 but not the following year
- △ ⊕ Not offered in 2025-2026 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🚫 Not open to incoming exchange students
- 🇫🇷 Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

1 2

o Didactique et pédagogie (25 credits)

o Un cours parmi :

⊗ LEISS2101	Pédagogie générale [C] <i>Cours dispensé à LLN en horaire de jour</i>	FR [q1] [37.5h] [5 Credits] 🌐	X
⊗ LEISS2102	Pédagogie générale [C] <i>Cours dispensé à LLN en horaire décalé</i>	FR [q1] [37.5h] [5 Credits] 🌐	X
⊗ MEISS2103	Pédagogie générale [C] <i>Cours dispensé à Mons en horaire décalé</i>	FR [q1] [30h] [5 Credits] 🌐	X
○ LEISS2107	Ecole et diversités [C]	FR [q1] [22.5h+15h] [5 Credits] 🌐	X
○ LSCI2360	Teaching and learning core sciences [C]	FR [q1] [37.5h] [5 Credits] 🌐	X
○ LCHM2320	Didactics and epistemology of science and chemistry [C] <i>Sera prochainement remplacé par les partims LCHM2320A et LCHM2320B</i>	FR [q1+q2] [45h+15h] [6 Credits] 🌐	X

o Un cours parmi :

⊗ LBIO2320	Didactics and epistemology of science and biology [C] <i>Sera prochainement remplacé par le partim LBIO2320C</i>	FR [q1+q2] [45h+15h] [4 Credits] 🌐	X
⊗ LPHYS2320	Didactics and epistemology of science and physics [C] <i>Sera prochainement remplacé par le partim LPHYS2320C</i>	FR [q1+q2] [45h+15h] [4 Credits] 🌐	X
⊗ LMAT2320C	Didactics and epistemology of mathematics - Part A (general questions) and listening session	FR [q1] [22.5h+7.5h] [4 Credits] 🌐	X
⊗ LGEO2320C	Didactics and epistemology of geography - Part A (general questions) and listening session	FR [q1] [22.5h+7.5h] [4 Credits] 🌐	X

o Sciences humaines et sociales (15 credits)

o Un cours parmi :

⊗ LEISS2201	Psychologie du développement et des apprentissages [C] <i>Cours dispensé à LLN en horaire de jour</i>		FR [q2] [37.5h+15h] [4 Credits]	X	
⊗ LEISS2202	Psychologie du développement et des apprentissages [C] <i>Cours dispensé à LLN en horaire décalé</i>		FR [q2] [37.5h+15h] [4 Credits]	X	

o Un cours parmi :

⊗ LEISS2203	Approches sociale, culturelle et politique de l'éducation [C] <i>Cours dispensé à LLN en horaire de jour</i>		FR [q2] [37.5h+15h] [4 Credits]	X	
⊗ LEISS2204	Approches sociale, culturelle et politique de l'éducation [C] <i>Cours dispensé à LLN en horaire décalé</i>		FR [q2] [37.5h+15h] [4 Credits]	X	

o Un cours parmi :

⊗ LEISS2205	Ethique de l'éducation, neutralité et citoyenneté [C] <i>Cours dispensé à LLN en horaire de jour</i>		FR [q2] [22.5h] [2 Credits]	X	
⊗ LEISS2206	Ethique de l'éducation, neutralité et citoyenneté [C] <i>Cours dispensé à LLN en horaire décalé</i>		FR [q2] [22.5h] [2 Credits]	X	

o Un cours parmi :

⊗ LEISS2104	Communication en contexte scolaire [C] <i>Cours dispensé à LLN en horaire de jour</i>		FR [q1] [22.5h+15h] [5 Credits]	X	
⊗ LEISS2105	Communication en contexte scolaire [C] <i>Cours dispensé à LLN en horaire décalé</i>		FR [q1] [22.5h+15h] [5 Credits]	X	
⊗ MEISS2106	Communication en contexte scolaire [C] <i>Cours dispensé à Mons en horaire décalé</i>		FR [q1] [15h+15h] [5 Credits]	X	

o Stages (20 credits)

o LSCI2370	Observation internship in common core sciences (24 hours) and support seminar [C]		FR [q1] [15h] [5 Credits]	X	
o LCHM2350	Long internship (90 hours) and accompanying seminar in chemistry and science [C]		FR [q1+q2] [45h+22.5h] [15 Credits]		X

o Formation disciplinaire (40 credits)





o LCHM2280	Industrial chemistry		EN [q2] [30h] [3 Credits] > French-friendly	X	X
o LBIR1346	Surface and colloid chemistry	Christine Dupont	FR [q2] [30h] [3 Credits]	X	X

o Cours au choix du master en sciences chimiques


⊗ LBBMC2101	Structural and functional biochemistry	Pierre Morsomme Patrice Soumillion	EN [q1] [36h+6h] [4 Credits]	X	X
⊗ LCHM2122	Analysis physical methods of solids	Charles-André Fustin Yann Garcia	EN [q1] [30h] [3 Credits] > French-friendly	X	X
⊗ LCHM2143	Physical organic chemistry	Raphaël Robiette	EN [q1] [22.5h+7.5h] [3 Credits] > French-friendly	X	X
⊗ LCHM2151	Advanced mass spectrometry	Charles-André Fustin	EN [q1] [22.5h+7.5h] [3 Credits] > French-friendly	X	X
⊗ LCHM2152	NMR Complements	Michael Singleton	EN [q1] [22.5h+7.5h] [3 Credits] > French-friendly	X	X
⊗ LCHM2231	Chemistry and functionality of inorganic materials		FR [q2] [45h+15h] [6 Credits] > French-friendly	X	X
⊗ LCHM2241	Organic synthesis		FR [q2] [45h+15h] [6 Credits] > French-friendly	X	X
⊗ LCHM2243	Chemistry of natural products	Michael Singleton Patrice Soumillion	EN [q1] [22.5h+7.5h] [3 Credits] > French-friendly	X	X
⊗ LCHM2244	Medicinal chemistry	Raphaël Frédéric Didier Lambert	EN [q2] [22.5h+7.5h] [3 Credits] > French-friendly	X	X
⊗ LCHM2246	Nuclear chemistry		FR [q1] [22.5h+7.5h] [3 Credits] > English-friendly	X	X

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⊗ LCHM2247	Supramolecular chemistry	Charles-André Fustin Michael Singleton	EN [q2] [22.5h+7.5h] [3 Credits]  > French-friendly	X	X
⊗ LCHM2251	Structural chemistry by diffraction methods	Yaroslav Filinchuk	EN [q1] [22.5h+7.5h] [3 Credits]  > French-friendly	X	X
⊗ LCHM2252	Crystal engineering and crystallization processes		EN [q2] [45h+15h] [6 Credits]  > French-friendly	X	X
⊗ LCHM2260	Electrochemical Energy storage	Alexandru Vlad	EN [q1] [22.5h] [3 Credits]  > French-friendly	X	X
⊗ LCHM2261A	Polymer Chemistry and Physical Chemistry (part 1 : Polymer Chemistry)		EN [q1] [22.5h+7.5h] [3 Credits]  > French-friendly	X	X
⊗ LCHM2261B	Polymer Chemistry and Physical Chemistry (part 2 : Polymer Physical Chemistry)		EN [q1] [22.5h+7.5h] [2 Credits]  > French-friendly	X	X
⊗ LCHM2281	Photochemistry	Ludovic Troian-Gautier	EN [q2] [22.5h+7.5h] [3 Credits]  > French-friendly	X	X
⊗ LMAPR2012	Polymers for advanced technologies	Sophie Demoustier Karine Glinel Jean-François Gohy Bernard Nysten	EN [q2] [45h+15h] [5 Credits]  > French-friendly	X	X
⊗ LMAPR2016	Project in Polymer Science	Charles-André Fustin Alain Jonas	EN [q2] [30h+15h] [5 Credits]  > French-friendly	X	X
⊗ LBIR1362	Environmental Economics	Frédéric Gaspart	FR [q2] [30h+7.5h] [3 Credits] 	X	X
⊗ LEPL1803	Economy	Olivier Daxhelet Julien Hendrickx	FR [q2] [30h+30h] [5 Credits] 	X	X
⊗ LEPL2214	Law, Regulation and Legal Context	Vincent Cassiers Werner Derycke	FR [q1] [30h+5h] [4 Credits] 	X	X
⊗ LDROP2101	Management of Intellectual Property Rights		EN [q2] [30h] [5 Credits] 	X	X





○ Cours au choix de biologie et physique

⊗ LPHY1103	Additional physics		FR [q2] [40h+10h] [4 Credits] 	X	X
⊗ LBIO1117	Ecology I	Renate Wesselingh	FR [q2] [30h+10h] [4 Credits] 	X	X
⊗ LBIO1121	Genetics [C]		FR [q2] [20h+15h] [2 Credits]  > English-friendly	X	X
⊗ LBIO1235	General cell physiology	Stanley Lutts Jean-François Rees	FR [q1] [15h+15h] [2 Credits] 	X	X
⊗ LBIO1310	Biological evolution		FR [q2] [30h+10h] [3 Credits] 	X	X




○ Autres cours au choix

⊗ LSST1002M	Information and critical thinking - MOOC		FR [q2] [30h+15h] [3 Credits] 	X	X
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⊗ Un cours parmi :

⊗ LBIO2320	Didactics and epistemology of science and biology [C] <i>Sera prochainement remplacé par le partim LBIO2320C</i>		FR [q1+q2] [45h+15h] [4 Credits] 		X
⊗ LPHYS2320	Didactics and epistemology of science and physics [C] <i>Sera prochainement remplacé par le partim LPHYS2320C</i>		FR [q1+q2] [45h+15h] [4 Credits] 		X
⊗ LMAT2320C	Didactics and epistemology of mathematics - Part A (general questions) and listening session		FR [q1] [22.5h+7.5h] [4 Credits] 		X
⊗ LGEO2320C	Didactics and epistemology of geography - Part A (general questions) and listening session		FR [q1] [22.5h+7.5h] [4 Credits] 		X

○ Recherche et intégration (20 credits)

○ LEISS2902	Initiation à la recherche en éducation [C] <i>Cours dispensé à LLN en horaire de jour</i>		FR [q1] [15h] [2 Credits] 		X
○ LSCI2351	Master thesis support seminar [C]		FR [q1+q2] [22.5h+22.5h] [3 Credits] 		X
○ LSCI2350	Master thesis [C]		FR [q1+q2] [] [15 Credits] 		X

Course prerequisites

There are no prerequisites between course units (CUs) for this programme, i.e. the programme activity (course unit, CU) whose learning outcomes are to be certified and the corresponding credits awarded by the jury before registration in another CU.

The programme's courses and learning outcomes

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies 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.

CHIM2M4 - Information

Access Requirements

SUMMARY

- > [General access requirements](#)
- > [Specific access requirements](#)
- > [University Bachelors](#)
- > [Non university Bachelors](#)
- > [Holders of a 2nd cycle University degree](#)
- > [Access based on validation of professional experience](#)
- > [Admission and Enrolment Procedures for general registration](#)

University Bachelors

Diploma	Special Requirements	Access	Remarks
UCLouvain Bachelors			
Others Bachelors of the French speaking Community of Belgium			
Bachelors of the Dutch speaking Community of Belgium			
Foreign Bachelors			

Non university Bachelors

Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
Masters			

Access based on validation of professional experience

Admission and Enrolment Procedures for general registration

Evaluation

The evaluation methods comply with the [regulations concerning studies and exams](#). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

