



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 - 180 credits - 3 years - Day schedule - In French

Dissertation/Graduation Project : **NO** - Internship : **YES**

Activities in English: **YES** - Activities in other languages : **NO**

Activities on other sites : **NO**

Main study domain : **Sciences**

Organized by: **Faculty of Philosophy, Arts and Letters (FIAL)**

Programme acronym: **BABA1BA** - Francophone Certification Framework: 6

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BABA1BA - Introduction

Introduction

Introduction

In addition to its biological dimensions and evolutionary history among the primates, the human being is characterized by its organization into complex societies of individuals sharing common values and cultural traits, which have evolved since its appearance some 200,000 years ago.

Understanding humanity's past history, understanding how it functions today, and anticipating its development in a world undergoing major changes are all steps that require us to integrate the many facets of the human being.

While university courses tend to deal separately with the biological, anthropological and archaeological aspects of human societies, this new Bachelor's program in biology, anthropology and archaeology - the only one of its kind in Europe - aims to combine these three related disciplines and thus envisage, study and understand human beings in all their complexity. The program is co-organized by the Faculty of Philosophy, Arts and Letters (FIAL), the Faculty of Science (SC) and the Faculty of Economics, Social Sciences, Politics and Communication (ESPO).

Biology considers the anchoring of the human being in the dynamics and laws of the living world. Anthropology approaches the human being as a social and cultural being, and archaeology, finally, examines the material evidence of the presence and action of men and women of the past in close connection with their natural and social environment.

At a time when a new balance between humanity, the living world and the environment is crucial, this interdisciplinary bachelor's degree aims to train students capable of proposing a nuanced, critical and creative analysis of a complex world, in order to add value to the debates and actions needed to meet this major challenge.

Your profile

You're passionate about human beings in all their facets, and you're interested in both the exact sciences and the humanities. Crossing disciplines and methods of analysis appeals to you, and juggling diverse concepts and learning doesn't scare you. You're motivated to embark on a demanding but exciting course of study.

Your future job

At the end of this bachelor's degree, you will be able to rigorously analyze the human being within the living world, and within historical and contemporary societies and cultures, and to grasp contemporary global and local changes and issues. You will be particularly well-equipped to navigate a world of relationships between individuals, perceiving the similarities and differences between the human species and the other species that make up biodiversity, as well as the relationships that exist between all these interdependent species, including human societies.

At the end of your **Master's degree in archaeology**, armed with a solid theoretical background and a number of professional experiences, you'll be able to move into the heritage and archaeology professions, working in excavation and prevention departments, or in the management of public or private archaeological and scientific collections in museums; into the organization of cultural events, as an exhibition manager and content producer in maisons de la culture, cultural centers and museums; or into archaeological research, focusing on the multiple interactions between humans and their natural and living environment.

At the end of your **Master's degree in Anthropology**, you'll have an extremely versatile diploma that opens the door to a wide range of professions in research, public administrations, NGOs, associations, development cooperation, teaching, social aid and (inter)cultural action, consultancy and journalism.

On completion of your **Master's degree in Biochemistry, Molecular and Cellular Biology**, you will be able to pursue a variety of exciting careers in the world of biomedical science and research, biotechnology, medicine and health, the pharmaceutical industry, teaching and science communication, as well as project management and consultancy in these different fields.

Once you've completed your **Master's degree in Organismal Biology and Ecology**, you'll be able to move into a multitude of professions focused on understanding and preserving biodiversity, as well as the impact of living organisms on our environment. These include ecological research in universities, government agencies, environmental NGOs or specialized companies; nature conservation and natural resource management, environmental consulting, science communication and environmental education.

Your programme

The programme combines teaching in the exact sciences and earth and life sciences (organismal biology, cellular and molecular biology, ecology, evolution, chemistry and biochemistry, physics, palaeontology, earth sciences, mathematics, hominisation and evolution, biogeography, vertebrate palaeontology) and the humanities (anthropology, sociology, archaeology, art history). It therefore offers a high degree of versatility, which is reflected in the particularly varied expertise of its many lecturers.

Alongside the extensive theoretical courses, the programme also includes a great deal of practical work and fieldwork, with laboratory work, excavations, work on museum collections and socio-anthropological explorations.

The interdisciplinary focus of this programme is reflected in a specific course on 'Societies, Environments and Transitions' taught in block 3, and an activity integrating the three disciplines, organised each year and bringing together all the students in this bachelor's degree.

The bachelor's degree is organised into three annual blocks that combine teaching and activities in the three disciplines. After two common blocks, two paths are possible. An identical interdisciplinary programme in the third block enables students to go directly on to study for masters degrees in anthropology and archaeology. The third block consists of a large number of courses in biology and related disciplines, enabling students to pursue a Master's degree in biology (biochemistry and molecular and cell biology OR organismal biology and ecology).

Your parcours

Bachelor's degree (direct access to Master's degree in Anthropology, or Master's degree in Art History and Archaeology)

You have an interdisciplinary background combining human sciences (anthropology, sociology, archaeology, art history) and exact sciences (organismal biology, cellular and molecular biology, ecology, evolution, chemistry and biochemistry, physics, paleontology, earth sciences, mathematics). You have acquired field experience in archaeology and anthropology.

You have direct access to the Masters in Anthropology or History of Art and Archaeology organized by UCLouvain. Access to biology masters is still possible, but requires a preparatory module.

Composition of the bachelor's degree (direct access to Masters in Biochemistry, Molecular and Cellular Biology and Organismal Biology and Ecology)

You will have an interdisciplinary education combining the humanities and the exact sciences, with a preponderance (56%) of activities from the bachelor's program in biology.

You have direct access to the Master's degree in Biochemistry, Molecular and Cellular Biology OR the Master's degree in Organismal Biology and Ecology organized by UCLouvain. The courses in your 3rd block program differ depending on which of these two Masters you choose.

BABA1BA - Teaching profile

Learning outcomes

The aim of the Bachelier en Biologie, Athropologie et Archéologie (BABAr) is to provide a general and scientific university education for students in transition to a Masters 120 in Biology, Anthropology or Archaeology.

To become a professional capable of rigorously analyzing the human being within the living world, and within historical and contemporary societies and cultures, capable of grasping contemporary global and local mutations and issues - this is the challenge that students with a BABAr bachelor's degree will take up. They will be able to navigate a world of relationships between individuals of the same or different species, who interact in the vast networks that make up ecosystems and human societies.

The aim of the BABAr bachelor's program is to produce reflective and critical graduates, well versed in the analysis of living organisms and human societies and their interactions.

Training focuses on mastering the founding concepts and theories of the disciplines involved in the program, as well as the methodological and technical tools of the humanities, social sciences and biology.

In addition, the graduate will have developed:

a multi-disciplinary approach enabling him/her to question, in a precise and substantiated manner, a phenomenon or a question relating to the field of human sciences;

an academic approach based on scientific research and rigorous, critical methodology;

communication skills in French and a foreign language;

a way of thinking that respects ethical and civic values.

By the end of the course, students will have acquired the theoretical content and experiential practice required for the core competencies (professionalism, interpersonal and communication skills, scientific attitude, commitment to society) and the functional skills specific to the three Masters disciplines concerned.

Following the example of existing courses in the Anglo-Saxon world and in certain other countries, the aim is to bring together three related disciplines that enable us to understand the complexity of the human being. Biology deals with the anchoring of the human being in the dynamics and laws of the living world; anthropology deals with the human being as a social and cultural being; and finally, archaeology deals with the material evidence of the combined presence and action of man and nature. At a time when a new balance between humanity, living beings and the environment is crucial, this interdisciplinary Bachelor's degree aims to train students with a complex vision of the world and a creative analytical mind, to make a decisive contribution to these major issues.

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

1. Master academic discourse with rigor and efficiency, both in terms of comprehension and writing.

1.1. Describe, characterize and study systematically, rigorously and critically a living being, an object, a site, a society or any theme relating to the productions and practices of past or present societies, using the specific multidisciplinary tools and methods of archaeology, biology and anthropology.

1.2. Conduct targeted research on a given quantity of data and information, using a scientific approach.

1.3. Master a fundamental knowledge base in the fields of philosophy, history, political science, sociology, science and the humanities.

2. Become a player in your own training; manage your work autonomously (define priorities, anticipate and plan all your activities over time), take a critical look at your own knowledge, learning methods and productions, and integrate new knowledge, methodologies and skills on your own.

2.1. Develop autonomy, set training objectives and make choices to achieve them.

2.2. Work as part of a team on multidisciplinary issues centered on biology, anthropology and archaeology, and develop interpersonal skills.

2.3. Act autonomously, as a critical and responsible actor, respectful of ethical and civic values, and with a training project designed to further personal and professional development.

3. Mobilize the skills and knowledge acquired in subject areas to develop attitudes of openness to interculturality, civic involvement and a critical stance towards oneself, society and knowledge.

3.1. Master and mobilize the fundamental knowledge (knowledge, models, theories, concepts) of archaeology, biology and anthropology at the heart of its field of study and its areas of application, to understand or analyze the human being in its various dimensions.

3.2. Understand the processes involved in the construction of scientific knowledge in biology, archaeology and anthropology, and put them into practice through research and critical thinking.

3.3. Elaborate a personal reflection by mobilizing the contributions (theories, concepts, approaches...) of the different disciplines of the program for different disciplines of the program to question and discuss in a rigorous and open way a phenomenon or a question related to the field of human and biological sciences.

3.4. Behave as an environmentally conscious scientist.

4. Communiquer oralement et par écrit de manière claire, cohérente, argumentée et fluide en anglais sur des sujets généraux ou liés au domaine d'études.

5. Demonstrate knowledge and critical understanding of in-depth knowledge in disciplines related to career choices.

Programme structure

The bachelor's degree is organized into three annual blocks, combining teaching and activities in the three disciplines of biology, anthropology and archaeology.

Composed of four axes, the program includes:

1. interdisciplinary training, with a specific course on "Societies, Environments and Transitions" in block 3, and an activity integrating the three disciplines, organized each year and bringing together all students in this bachelor's degree.
2. extensive disciplinary training in :
 - biology and other earth and life sciences
 - anthropology and sociology
 - archaeology and art history
3. methodological and technical courses in all three disciplines
4. modern language training (English)

After two common years, two options are available:

- An interdisciplinary program in the third block, leading directly to the Master's degree in Anthropology or the Master's degree in Art History and Archaeology.
- A third block with a wide range of courses in biology and related disciplines, leading directly to two Masters degrees in biology, either in Biochemistry and Molecular and Cellular Biology, or in Organismal Biology and Ecology.

BABA1BA Programme

Detailed programme by subject

- Mandatory
- ✂ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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...)

	Year		
	1	2	3

o Content:

o Common training

o Interdisciplinary training in biology, anthropology and archaeology

● LVETE1300	Integrated Seminars		EN [q2] [0h+25h] [2 Credits] 🌐			X
● LBABA1301	Interdisciplinary seminar in biology, anthropology and archaeology		FR [q1] [0h+30h] [4 Credits] 🌐 > English-friendly			X

o Disciplinary training in biology and other earth and life sciences

● LCHM1111A	General chemistry		FR [q1] [45h+30h] [5 Credits] 🌐	X		
● LBIO1111	Cell and molecular biology	Patrick Dumont Charles Hachez	FR [q1] [30h+20h] [4 Credits] 🌐	X		
● LBIO1112	Organism biology : plants and animals		FR [q2] [30h+20h] [5 Credits] 🌐	X		
● LCHM1141B	Organic chemistry		FR [q2] [30h+30h] [5 Credits] 🌐	X		
● LBIR1130	Introduction to Earth sciences	Pierre Delmelle (coord.) Sophie Opfergelt	FR [q2] [30h+30h] [5 Credits] 🌐		X	
● LBIO1117	Ecology I		FR [q2] [30h+10h] [4 Credits] 🌐		X	

				Year		
				1	2	3
○ LBIO1230	Invertebrate biology	Jean-François Rees	FR [q1] [10h+40h] [4 Credits]		x	
○ LBIO1310	Biological evolution		FR [q2] [30h+10h] [3 Credits]		x	
○ LPHY1101	Physics 1	Michel Crucifix Thierry Fichet	FR [q1] [30h+40h] [4 Credits]			x
○ LMAT1101	Mathematics 1		FR [q1] [30h+20h] [3 Credits]	x		
○ LSC2004	Evolution et hominisation		FR [q2] [15h] [3 Credits]		x	
○ LBIO1223	Molecular biology		FR [q2] [50h+20h] [5 Credits]			x
○ LCHM1271A	Elements of biochemistry		FR [q1] [30h+20h] [3 Credits]			x
○ LBIO1242	Angiosperm's development, reproduction and systematic	Stanley Lutts Muriel Quinet	FR [q2] [30h+15h] [3 Credits]			x
○ LGEO12401	Paléontologie des vertébrés		FR [q2] [22.5h] [2 Credits]			x

○ Disciplinary training in anthropology and sociology

○ LESPO1113	Sociology and Anthropology of the Contemporary Worlds	Hugues Draelants	FR [q1 or q2] [40h] [5 Credits]	x		
○ LUCLA1086	MOOC EDX - Découvrir l'anthropologie		FR [] [50h] [3 Credits]	x		
○ LCOMU1126	Anthropology of communication	Sophie Del Fa	FR [q2] [22.5h] [3 Credits]		x	
○ LPOLS1225	Social and cultural anthropology		FR [q2] [30h] [6 Credits]		x	

○ Disciplinary training in archaeology and art history

○ LARKE1110	Musées et patrimoine	Joël Roucloux	FR [q2] [30h] [5 Credits]	x		
○ LARKE1120	Iconography and iconology	Marco Cavalieri Ralph Dekoninck	FR [q2] [30h] [5 Credits]	x		
○ LARKE1150	Arts and civilisations: North-West european archaeology	Laurent Verslype	FR [q2] [30h] [5 Credits]	x		

✂ In even-numbered years, students take the following two courses:

○ LARKE1552	Arts and Civilisations : Greek and Roman Antiquity	Marco Cavalieri	FR [q2] [30h] [5 Credits] > English-friendly		x	
○ LARKE1555	Arts and civilisations: Prehistory and Protohistory		FR [q1] [30h] [5 Credits] > English-friendly		x	

✂ In odd-numbered years, students take the following two courses:

○ LARKE1230	Materials and Techniques of Antiquity, Archeometrics and Archaeology of Buildings	Jean Vanden Broeck-Parant Laurent Verslype	FR [q1] [30h] [5 Credits] > English-friendly		x	
○ LARKE1553	Arts and civilisations: Egypt, Mesopotamia and the Near East	Gaelle Chantrain Jan Tavernier	FR [q1] [30h] [5 Credits]		x	

○ Methodologies and techniques in biology, anthropology and archaeology

○ LARKE1140	Archaeology: scientific methods and practice I	Jean Vanden Broeck-Parant Laurent Verslype	FR [q1+q2] [30h] [5 Credits]	x		
○ LSOCA1125	Study Skills Seminar in Sociology		FR [q2] [15h+15h] [6 Credits]	x		
○ LUCLA1000	MOOC Penser critique		FR [] [] [2 Credits]	x		
○ LARKE1220	Archaeology: scientific methods and practice II	Marco Cavalieri	FR [q1+q2] [30h] [5 Credits]		x	
○ LARKE1240	Exploration methods and excavation techniques (+internship)	Laurent Verslype	FR [q2] [30h] [5 Credits]		x	
○ LPOLS1213	Seminar of socio-anthropological exploration		FR [q2] [30h] [5 Credits]		x	

○ Language training

○ LANG1861	English: reading and listening comprehension of scientific texts	Catherine Avery (coord.) Fanny Desterbecq Amandine Dumont (coord.) Marc Piwnik	EN [q2] [10h] [2 Credits]	x		
○ LANG1862	English: reading and listening comprehension of scientific texts	Ahmed Adriouèche (coord.) Catherine Avery Ariane Halleux	EN [q1] [30h] [3 Credits]		x	

o The student chooses a course of study

After two common blocks, students choose one of the three specific courses for their third block, giving them access to either the Masters in Anthropology and History of Art and Archaeology, or the Masters in Organismal Biology and Ecology, or the Masters in Biochemistry, Molecular and Cellular Biology.

✂ Anthropology - Archaeology stream

o Disciplinary training in biology and other earth and life sciences

<input type="radio"/>	L BIO1217	Ecology II		FR [q2] [30h+10h] [3 Credits]			X
<input type="radio"/>	L GEO1332A	Biogeography - Lectures		FR [q2] [30h] [2 Credits]			X

o Disciplinary training in anthropology and sociology

<input type="radio"/>	L POLS1326	Practical Research Seminars in Sociology and Anthropology	Mathieu Berger Hugues Draelants Olivier Servais Marie Verhoeven	FR [q1+q2] [45h+20h] [6 Credits]			X
<input type="radio"/>	L POLS1316	The History of Debates in Sociology and Anthropology	Eric Mangez Olivier Servais	FR [q1] [45h+20h] [6 Credits]			X
<input type="radio"/>	L POLS1113	Anthropology: of the observation to the theory		FR [q1] [30h] [6 Credits]			X

o Disciplinary training in archaeology and art history

✂ In even-numbered years, students take the following two courses:

<input type="radio"/>	L ARKE1552	Arts and Civilisations : Greek and Roman Antiquity	Marco Cavalieri	FR [q2] [30h] [5 Credits] > English-friendly			X
<input type="radio"/>	L ARKE1555	Arts and civilisations: Prehistory and Protohistory		FR [q1] [30h] [5 Credits] > English-friendly			X

✂ In odd-numbered years, students take the following two courses:

<input type="radio"/>	L ARKE1230	Materials and Techniques of Antiquity, Archeometrics and Archaeology of Buildings	Jean Vanden Broeck-Parant Laurent Verslype	FR [q1] [30h] [5 Credits] > English-friendly			X
<input type="radio"/>	L ARKE1553	Arts and civilisations: Egypt, Mesopotamia and the Near East	Gaelle Chantrain Jan Tavernier	FR [q1] [30h] [5 Credits]			X

o Méthodologies et techniques en biologie, anthropologie et archéologie

<input type="radio"/>	L ARKE1320	Archaeology: on-site seminar		FR [q1+q2] [22.5h] [5 Credits]			X
<input type="radio"/>	L ARKE1351	Fieldwork and internship (excavations, museums, laboratories, fieldtrips...)		FR [q1 or q2] [100h] [3 Credits]			X

✂ Organismal biology and ecology stream

o Biodiversity, ecology and biogeography

<input type="radio"/>	L BIO1217	Ecology II		FR [q2] [30h+10h] [3 Credits]			X
<input type="radio"/>	L BIO1317	Functional ecology		EN [q1] [30h] [2 Credits]			X
<input type="radio"/>	L GEO1332A	Biogeography - Lectures		FR [q2] [30h] [2 Credits]			X
<input type="radio"/>	L BIO1356	Integrated practical work in ecology and biogeography: biodiversity of natural environments	Renate Wesselingh	FR [q1+q2] [10h+40h] [4 Credits]			X
<input type="radio"/>	L BIO1216	Marine biology field	Jérôme Malfet	FR [q2] [4h+36h] [2 Credits]			X
<input type="radio"/>	L BIO1355	Speciation : origin of biodiversity	Thierry Hance Renate Wesselingh	FR [q1] [20h+10h] [2 Credits]			X

o Organismal biology

<input type="radio"/>	L BIO1213	Morphology and physiology of fungi	Stephan Declerck	FR [q1] [15h+10h] [2 Credits]			X
<input type="radio"/>	L BIO1311	Microbiology and virology		FR [q1] [40h+15h] [4 Credits]			X

o Plant biology

<input type="radio"/>	L BIO1240	Plant physiology	Xavier Draye Stanley Lutts	FR [q1] [40h+15h] [4 Credits]			X
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o Data management and statistics

<input type="radio"/>	L BIO1282	Management and exploration of biological data	Renate Wesselingh	FR [q1] [20h+15h] [3 Credits]			X
<input type="radio"/>	L BIO1283	Statistical principles and biological data analysis	Nicolas Schtickzelle	FR [q2] [30h+40h] [4 Credits]			X

Year

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○ LBIO1383	Statistical methods applied to biology	Anouar El Ghouch	10 [q2] [30h+40h] [5 Credits]			X
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○ Biochemistry

○ LCHM1371B	Metabolic biochemistry - lectures and lab		10 [q2] [30h+15h] [4 Credits]			X
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⌘ Biochemistry, Molecular and Cellular Biology stream

○ Organismal biology

○ LBIO1213	Morphology and physiology of fungi	Stephan Declerck	10 [q1] [15h+10h] [2 Credits]			X
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○ LBIO1311	Microbiology and virology		10 [q1] [40h+15h] [4 Credits]			X
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○ Plant biology

○ LBIO1240	Plant physiology	Xavier Draye Stanley Lutts	10 [q1] [40h+15h] [4 Credits]			X
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○ Animal biology

○ LBIO1237	Immunology : basis and applications in biology	Jean-Paul Dehoux	10 [q1] [25h+15h] [4 Credits]			X
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○ LBIO1234	Animal histology	Bernard Knoops	10 [q1] [20h+20h] [2 Credits]			X
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○ LBIO1338	Travaux pratiques intégrés de physiologie, histologie et biochimie animales		10 [q2] [0h+22.5h] [2 Credits]			X
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○ Data management and statistics

○ LBIO1282	Management and exploration of biological data	Renate Wesselingh	10 [q1] [20h+15h] [3 Credits]			X
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○ LBIO1283	Statistical principles and biological data analysis	Nicolas Schtickzelle	10 [q2] [30h+40h] [4 Credits]			X
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○ Molecular biology and genetics

○ LBIO1221	Genetics	Charles Hachez	10 [q2] [20h+15h] [2 Credits]			X
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○ LBIO1323	Molecular signaling	Henri Batoko Patrick Dumont Géraldine Laloux	10 [q1] [30h+10h] [3 Credits]			X
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○ Biochemistry

○ LCHM1242	Bio-organic chemistry		10 [q1] [30h+10h] [3 Credits]			X
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○ LCHM1371B	Metabolic biochemistry - lectures and lab		10 [q2] [30h+15h] [4 Credits]			X
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○ Physics

○ LPHY1103	Additional physics		10 [q2] [40h+10h] [4 Credits]			X
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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.

Detailed programme per annual block

BABA1BA - 1ST ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊙ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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...)

○ Content:

○ Common training

○ Disciplinary training in biology and other earth and life sciences

○ LCHM1111A	General chemistry		[FR] [q1] [45h] +30h] [5 Credits] ⊕
○ LBIO1111	Cell and molecular biology	Patrick Dumont Charles Hachez	[FR] [q1] [30h] +20h] [4 Credits] ⊕
○ LBIO1112	Organism biology : plants and animals		[FR] [q2] [30h] +20h] [5 Credits] ⊕
○ LCHM1141B	Organic chemistry		[FR] [q2] [30h] +30h] [5 Credits] ⊕
○ LMAT1101	Mathematics 1		[FR] [q1] [30h] +20h] [3 Credits] ⊕

○ Disciplinary training in anthropology and sociology

○ LESPO1113	Sociology and Anthropology of the Contemporary Worlds	Hugues Draelants	[FR] [q1 or q2] [40h] [5 Credits] ⊕
○ LUCLA1086	MOOC EDX - Découvrir l'anthropologie		[FR] [] [50h] [3 Credits] ⊕

○ Disciplinary training in archaeology and art history

○ LARKE1110	Musées et patrimoine	Joël Roucloux	FR [q2] [30h] [5 Credits] 🌐
○ LARKE1120	Iconography and iconology	Marco Cavalleri Ralph Dekoninck	FR [q2] [30h] [5 Credits] 🌐
○ LARKE1150	Arts and civilisations: North-West european archaeology	Laurent Verslype	FR [q2] [30h] [5 Credits] 🌐

○ Methodologies and techniques in biology, anthropology and archaeology

○ LARKE1140	Archaeology: scientific methods and practice I	Jean Vanden Broeck-Parant Laurent Verslype	FR [q1+q2] [30h] [5 Credits] 🌐
○ LSOCA1125	Study Skills Seminar in Sociology		FR [q2] [15h +15h] [6 Credits] 🌐
○ LUCLA1000	MOOC Penser critique		FR [] [] [2 Credits] 🌐

○ Language training

○ LANG1861	English: reading and listening comprehension of scientific texts	Catherine Avery (coord.) Fanny Desterbecq Amandine Dumont (coord.) Marc Piwnik	FR [q2] [10h] [2 Credits] 🌐
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BABA1BA - 2ND ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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...)

o Content:**o Common training****o Disciplinary training in biology and other earth and life sciences**

● LBIR1130	Introduction to Earth sciences	Pierre Delmelle (coord.) Sophie Opfergelt	FR [q2] [30h] +30h] [5 Credits] ⊕
● LBIO1117	Ecology I		FR [q2] [30h] +10h] [4 Credits] ⊕
● LBIO1230	Invertebrate biology	Jean-François Rees	FR [q1] [10h] +40h] [4 Credits] ⊕
● LBIO1310	Biological evolution		FR [q2] [30h] +10h] [3 Credits] ⊕
● LPHY1101	Physics 1	Michel Crucifix Thierry Fichet	FR [q1] [30h] +40h] [4 Credits] ⊕
● LSC2004	Evolution et hominisation		FR [q2] [15h] [3 Credits] ⊕

o Disciplinary training in anthropology and sociology

● LCOMU1126	Anthropology of communication	Sophie Del Fa	FR [q2] [22.5h] [3 Credits] ⊕
● LPOLS1225	Social and cultural anthropology		FR [q2] [30h] [6 Credits] ⊕


o Disciplinary training in archaeology and art history

⊗ In even-numbered years, students take the following two courses:




● LARKE1552	Arts and Civilisations : Greek and Roman Antiquity	Marco Cavalieri	FR [q2] [30h] [5 Credits] ⊕ ⊕ > English- friendly
● LARKE1555	Arts and civilisations: Prehistory and Protohistory		FR [q1] [30h] [5 Credits] ⊕ ⊕ > English- friendly

⊗ In odd-numbered years, students take the following two courses:


● LARKE1230	Materials and Techniques of Antiquity, Archeometrics and Archaeology of Buildings	Jean Vanden Broeck-Parant Laurent Verslype	FR [q1] [30h] [5 Credits] ⊕ > English- friendly
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○ LARKE1553	Arts and civilisations: Egypt, Mesopotamia and the Near East	Gaëlle Chantrain Jan Tavemier	ES [q1] [30h] [5 Credits] 
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○ Methodologies and techniques in biology, anthropology and archaeology

○ LARKE1220	Archaeology: scientific methods and practice II	Marco Cavalleri	ES [q1+q2] [30h] [5 Credits] 
○ LARKE1240	Exploration methods and excavation techniques (+internship)	Laurent Verslype	ES [q2] [30h] [5 Credits] 
○ LPOLS1213	Seminar of socio-anthropological exploration		ES [q2] [30h] [5 Credits] 

○ Language training

○ LANG1862	English: reading and listening comprehension of scientific texts	Ahmed Adriouche (coord.) Catherine Avery Ariane Halleux	ES [q1] [30h] [3 Credits] 
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BABA1BA - 3RD ANNUAL UNIT

- Mandatory
- ⌘ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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...)

o Content:**o Common training****o Interdisciplinary training in biology, anthropology and archaeology**

● LVETE1300	Integrated Seminars		[FR] [q2] [0h +25h] [2 Credits] 🌐
● LBABA1301	Interdisciplinary seminar in biology, anthropology and archaeology		[FR] [q1] [0h +30h] [4 Credits] 🌐 > English- friendly

o Disciplinary training in biology and other earth and life sciences

● LBIO1223	Molecular biology		[FR] [q2] [50h +20h] [5 Credits] 🌐
● LCHM1271A	Elements of biochemistry		[FR] [q1] [30h +20h] [3 Credits] 🌐
● LBIO1242	Angiosperm's development, reproduction and systematic	Stanley Lutts Muriel Quinet	[FR] [q2] [30h +15h] [3 Credits] 🌐
● LGEO12401	Paléontologie des vertébrés		[FR] [q2] [22.5h] [2 Credits] 🌐

o The student chooses a course of study

After two common blocks, students choose one of the three specific courses for their third block, giving them access to either the Masters in Anthropology and History of Art and Archaeology, or the Masters in Organismal Biology and Ecology, or the Masters in Biochemistry, Molecular and Cellular Biology.

⌘ Anthropology - Archaeology stream**o Disciplinary training in biology and other earth and life sciences**

● LBIO1217	Ecology II		[FR] [q2] [30h +10h] [3 Credits] 🌐
● LGEO1332A	Biogeography - Lectures		[FR] [q2] [30h] [2 Credits] 🌐

o Disciplinary training in anthropology and sociology

● LPOLS1326	Practical Research Seminars in Sociology and Anthropology	Mathieu Berger Hugues Draelants Olivier Servais Marie Verhoeven	[FR] [q1+q2] [45h +20h] [6 Credits] 🌐
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○ LPOLS1316	The History of Debates in Sociology and Anthropology	Eric Mangez Olivier Servais	FB [q1] [45h +20h] [6 Credits]
○ LPOLS1113	Anthropology: of the observation to the theory		FB [q1] [30h] [6 Credits]

○ Disciplinary training in archaeology and art history

✂ In even-numbered years, students take the following two courses:

○ LARKE1552	Arts and Civilisations : Greek and Roman Antiquity	Marco Cavalieri	FB [q2] [30h] [5 Credits] > English-friendly
○ LARKE1555	Arts and civilisations: Prehistory and Protohistory		FB [q1] [30h] [5 Credits] > English-friendly

✂ In odd-numbered years, students take the following two courses:

○ LARKE1230	Materials and Techniques of Antiquity, Archeometrics and Archaeology of Buildings	Jean Vanden Broeck-Parant Laurent Verslype	FB [q1] [30h] [5 Credits] > English-friendly
○ LARKE1553	Arts and civilisations: Egypt, Mesopotamia and the Near East	Gaelle Chantrain Jan Tavernier	FB [q1] [30h] [5 Credits]

○ Méthodologies et techniques en biologie, anthropologie et archéologie

○ LARKE1320	Archaeology: on-site seminar		FB [q1+q2] [22.5h] [5 Credits]
○ LARKE1351	Fieldwork and internship (excavations, museums, laboratories, fieldtrips...)		FB [q1 or q2] [100h] [3 Credits]

✂ Organismal biology and ecology stream

○ Biodiversity, ecology and biogeography

○ LBIO1217	Ecology II		FB [q2] [30h +10h] [3 Credits]
○ LBIO1317	Functional ecology		FB [q1] [30h] [2 Credits]
○ LGEO1332A	Biogeography - Lectures		FB [q2] [30h] [2 Credits]
○ LBIO1356	Integrated practical work in ecology and biogeography: biodiversity of natural environments	Renate Wesselingh	FB [q1+q2] [10h +40h] [4 Credits]
○ LBIO1216	Marine biology field	Jérôme Mallefet	FB [q2] [4h +36h] [2 Credits]
○ LBIO1355	Speciation : origin of biodiversity	Thierry Hance Renate Wesselingh	FB [q1] [20h +10h] [2 Credits]

○ Organismal biology

○ LBIO1213	Morphology and physiology of fungi	Stephan Declerck	FB [q1] [15h +10h] [2 Credits]
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○ LBIO1311	Microbiology and virology		FB [q1] [40h +15h] [4 Credits]
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○ Plant biology

○ LBIO1240	Plant physiology	Xavier Draye Stanley Lutts	FB [q1] [40h +15h] [4 Credits]
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○ Data management and statistics

○ LBIO1282	Management and exploration of biological data	Renate Wesselingh	FB [q1] [20h +15h] [3 Credits]
○ LBIO1283	Statistical principles and biological data analysis	Nicolas Schtickzelle	FB [q2] [30h +40h] [4 Credits]
○ LBIO1383	Statistical methods applied to biology	Anouar El Ghouch	FB [q2] [30h +40h] [5 Credits]

○ Biochemistry

○ LCHM1371B	Metabolic biochemistry - lectures and lab		FB [q2] [30h +15h] [4 Credits]
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⌘ Biochemistry, Molecular and Cellular Biology stream

○ Organismal biology

○ LBIO1213	Morphology and physiology of fungi	Stephan Declerck	FB [q1] [15h +10h] [2 Credits]
○ LBIO1311	Microbiology and virology		FB [q1] [40h +15h] [4 Credits]

○ Plant biology

○ LBIO1240	Plant physiology	Xavier Draye Stanley Lutts	FB [q1] [40h +15h] [4 Credits]
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○ Animal biology

○ LBIO1237	Immunology : basis and applications in biology	Jean-Paul Dehoux	FB [q1] [25h +15h] [4 Credits]
○ LBIO1234	Animal histology	Bernard Knoops	FB [q1] [20h +20h] [2 Credits]
○ LBIO1338	Travaux pratiques intégrés de physiologie, histologie et biochimie animales		FB [q2] [0h +22.5h] [2 Credits]

○ Data management and statistics

○ LBIO1282	Management and exploration of biological data	Renate Wesselingh	FB [q1] [20h +15h] [3 Credits]
○ LBIO1283	Statistical principles and biological data analysis	Nicolas Schtickzelle	FB [q2] [30h +40h] [4 Credits]

○ Molecular biology and genetics

○ LBIO1221	Genetics	Charles Hachez	PS [q2] [20h +15h] [2 Credits] 🌐
○ LBIO1323	Molecular signaling	Henri Batoko Patrick Dumont Géraldine Laloux	PS [q1] [30h +10h] [3 Credits] 🌐
○ Biochemistry			
○ LCHM1242	Bio-organic chemistry		PS [q1] [30h +10h] [3 Credits] 🌐
○ LCHM1371B	Metabolic biochemistry - lectures and lab		PS [q2] [30h +15h] [4 Credits] 🌐
○ Physics			
○ LPHY1103	Additional physics		PS [q2] [40h +10h] [4 Credits] 🌐

BABA1BA - Information

Access Requirements

Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.

The admission requirements must be met prior to enrolment in the University.

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.

SUMMARY

- [General access requirements](#)
- [Specific access requirements](#)
- [Access based on validation of professional experience](#)
- [Special requirements to access some programmes](#)

General access requirements

Except as otherwise provided by other specific legal provisions, admission to undergraduate courses leading to the award of a Bachelor's degree will be granted to students with one of the following qualifications :

1. A Certificate of Upper Secondary Education issued during or after the 1993-1994 academic year by an establishment offering full-time secondary education or an adult education centre in the French Community of Belgium and, as the case may be, approved if it was issued by an educational institution before 1 January 2008 or affixed with the seal of the French Community if it was issued after this date, or an equivalent certificate awarded by the Examination Board of the French Community during or after 1994;
2. A Certificate of Upper Secondary Education issued no later than the end of the 1992-1993 academic year, along with official documentation attesting to the student's ability to pursue higher education for students applying for a full-length undergraduate degree programme;
3. A diploma awarded by a higher education institution within the French Community that confers an academic degree issued under the above-mentioned Decree, or a diploma awarded by a university or institution dispensing full-time higher education in accordance with earlier legislation;
4. A higher education certificate or diploma awarded by an adult education centre;
5. A pass certificate for one of the [entrance examinations](#) organized by higher education institutions or by an examination board of the French Community; this document gives admission to studies in the sectors, fields or programmes indicated therein;
6. A diploma, certificate of studies or other qualification similar to those mentioned above, issued by the Flemish Community of Belgium, the German Community of Belgium or the Royal Military Academy;
7. A diploma, certificate of studies or other qualification obtained abroad and deemed equivalent to the first four mentioned above by virtue of a law, decree, European directive or international convention;

Note:

Requests for equivalence must be submitted to the Equivalence department ([Service des équivalences](#)) of the Ministry of Higher Education and Scientific Research of the French Community of Belgium in compliance with the official deadline.

The following two qualifications are automatically deemed equivalent to the Certificate of Upper Secondary Education (Certificat d'enseignement secondaire supérieur – CESS):

- European Baccalaureate issued by the Board of Governors of a European School,
- International Baccalaureate issued by the International Baccalaureate Office in Geneva.

8. Official documentation attesting to a student's ability to pursue higher education (diplôme d'aptitude à accéder à l'enseignement supérieur - DAES), issued by the Examination Board of the French Community.

Specific access requirements

- Access to bachelor programmes for candidates of nationality outside the European Union who are not assimilated to Belgian nationals is subject to the following criteria:
 - not have obtained a secondary education diploma for more than 3 years maximum. Example: for an admission application for the academic year 2023-2024, you must have obtained your diploma during the academic years 2020-2021, 2021-2022 ou 2022-2023. In the French Community of Belgium, the academic year runs from September 14 to September 13
 - not already hold an undergraduate degree
- Candidates, whatever their nationality, with a secondary school diploma **from a country outside the European Union**, must have obtained an average of 13/20 minimum or, failing that, have obtained this average, have passed one year of study in Belgium (for example special Maths / sciences). A non-successful year will not be taken into consideration.

- For any secondary school diploma **from a European Union country**, the admission request must contain the equivalence of your diploma or, at the very least, proof of the filing of the equivalence request with the Wallonia-Brussels Federation (French Community of Belgium). For any information relating to obtaining an equivalence, please refer to [the following site](#).
- For any secondary school diploma **from a country outside the European Union**, the admission application must contain the [equivalence of your diploma](#) issued by the Wallonia-Brussels Federation (French Community of Belgium). If you have a restrictive equivalence for the programme of your choice, in addition of it, you **must** have either the [DAES](#) or a certificate of successful completion of the [examination giving access to 1st cycle studies](#) when you submit your application

Access based on validation of professional experience

Admission to undergraduate studies on the basis of accreditation of knowledge and skills obtained through professional or personal experience (Accreditation of Prior Experience)

Subject to the general requirements laid down by the authorities of the higher education institution, with the aim of admission to the undergraduate programme, the examination boards accredit the knowledge and skills that students have obtained through their professional or personal experience.

This experience must correspond to at least five years of documented activity, with years spent in higher education being partially taken into account: 60 credits are deemed equivalent to one year of experience, with a maximum of two years being counted. At the end of an assessment procedure organized by the authorities of the higher education institution, the Examination Board will decide whether a student has sufficient skills and knowledge to successfully pursue undergraduate studies.

After this assessment, the Examination Board will determine the additional courses and possible exemptions constituting the supplementary requirements for the student's admission.

Special requirements to access some programmes

- Admission to **undergraduate studies in engineering: civil engineering and architect**

Pass certificate for the [special entrance examination for undergraduate studies in engineering: civil engineering and architect](#).

Admission to these courses is always subject to students passing the special entrance examination. Contact the faculty office for the programme content and the examination arrangements.

- Admission to **undergraduate studies in veterinary medicine**

[Admission to undergraduate studies in veterinary medicine is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in physiotherapy and rehabilitation**

[Admission to undergraduate studies in physiotherapy and rehabilitation is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in psychology and education: speech and language therapy**

[Admission to undergraduate studies in psychology and education: speech and language therapy is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in medicine and dental science**

[Admission to undergraduate studies in medicine and dental science is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

Note: students wishing to enrol for a **Bachelor's degree in Medicine** or a **Bachelor's degree in dental science** must first sit an [aptitude test \(fr\)](#).

Teaching method

Throughout the Bachelor's degree course in biology, anthropology and archaeology, students are exposed to a **variety of teaching methods** adapted to different learning objectives: lectures; practical work and exercises in small groups; individual and group written work; personal preparation, etc. Some courses also use e-learning techniques (MOOC's, provision of resources and exercises, pedagogical management, sharing and collective assessment of work, etc.). Some courses also make use of **e-learning techniques** (MOOCs, provision of resources and exercises, pedagogical management, sharing and collective assessment of work).

At the end of the bachelor's program, students are invited to take part in an **internship** on an archaeological dig site in Belgium or abroad (minimum one week) and/or an internship in an institution (museum, cultural association, research laboratory, etc.) recognized by the teacher in charge of the internship. These practical experiences give students the opportunity to demonstrate a real commitment to their training. Throughout the bachelor's program, a number of **scientific excursions and trips** enable students to reinforce the knowledge acquired in the classroom.

Generally speaking, the program comprises courses given by teams of teachers, accompanied by practical work and supervision to ensure that the various aspects of learning are integrated.

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".

Depending on the type of teaching and course, assessment may take different forms. Some courses will involve traditional oral and/or written assessments (taking place during one of the 3 examination sessions: January - June - August/September), while seminars will involve more substantial student participation and assessment of personal, individual or group work. Assessment procedures will be specified at the beginning of each course.

To obtain the average, the marks obtained for the teaching units are weighted by their respective credits.

Mobility and/or Internationalisation outlook

Study visits and internships are offered **as part of the Master's program**. They take place either in the second semester of the first yearly block, or in the first semester of the second yearly block.

However, from the third year block onwards, BABA1BA students can apply for funding to study at one of the many universities with which the Faculty where they will be doing their Master's degree (Faculty of Philosophy, Arts and Letters, Faculties of Science or Faculties of Economic, Social, Political and Communication Sciences) has partnership agreements in Flanders, Europe and the rest of the world.

The list of recommended destinations is available on the mobility pages of the relevant Faculty website.

In addition, under the UCLouvain - KU Leuven agreement, courses can be borrowed from KU Leuven programs on an individual basis.

Possible trainings at the end of the programme

The Bachelor's degree in Biology, Anthropology and Archaeology is organized into three annual blocks, combining teaching and activities in the three disciplines. After two common blocks, two paths are possible:

An identical interdisciplinary program in the third block allows direct continuation to [Master \[120\] in Anthropology](#) OR [Master \[120\] in History of Art and Archaeology : General](#) OR [Master \[60\] in History of Art and Archaeology : General](#).

Two programs with a wide range of courses in biology and related disciplines in the third block enable direct continuation to a Master's degree in biology, either [Master \[120\] in Biochemistry and Molecular and Cell Biology](#), or [Master \[120\] in Biology of Organisms and Ecology](#) OR [Master \[60\] in Biology](#).

Other Master's degrees available on completion of the program

Graduates of the [Bachelor in Biology, Anthropology and Archaeology](#) program may also have access to other master's programs, subject to compliance with the conditions of access to these programs detailed in the training catalog.

[Master \[120\] in Sociology](#)

[Master \[120\] in Population and Development Studies](#)

[Master \[120\] in Environmental Science and Management](#)

[Master \[120\] in Criminology](#)

[Master \[120\] in History of Art and Archaeology: Musicology](#) and [Master \[60\] in History of Art and Archaeology: Musicology](#)

[Master \[120\] in History](#) and [Master \[60\] in History](#)

[Master \[120\] in Ancient Languages and Literatures: Oriental Studies](#) and [Master \[60\] in Ancient Languages and Literatures : Oriental Studies](#)

[Master \[120\] in Philosophy](#) and [Master \[60\] in Philosophy](#)

[Master \[120\] in Sociology](#)

[Master \[120\] in Anthropology](#)
[Master \[60\] in Sociology and Anthropology](#)
#prog:title:corp2m#
[Master \[60\] in Information and Communication](#)
[Master \[120\] in Journalism](#)
[Master \[120\] in Criminology](#)
[Master \[120\] in Population and Development Studies](#)
[Master \[120\] in Sciences of Religions](#)

Contacts

Curriculum Management

Faculty

Structure entity	SSH/FIAL
Denomination	Faculty of Philosophy, Arts and Letters (FIAL)
Sector	Human Sciences (SSH)
Acronym	FIAL
Postal address	Place Cardinal Mercier 31 - bte L3.03.11 1348 Louvain-la-Neuve Tel: +32 (0) 10 47 48 50 http://www.uclouvain.be/fial
Website	http://www.uclouvain.be/fial

Mandate(s)

- Dean : Cédric Fairon
- Administrative director : Valérie Loutsch

Commission(s) of programme

- Ecole de philosophie ([EFIL](#))
- Ecole d'histoire, arts et cultures ([EHAC](#))
- Ecole de langues et lettres ([ELAL](#))
- Commission de programme en études de genre ([GENR](#))
- Louvain School of Translation and Interpreting ([LSTI](#))

Academic supervisor: [Jean-François Rees](#)

Jury

- President: [Jean-François Rees](#)
- Secretary: [Charlotte Langohr](#)

Useful Contact(s)

- For further information: info-fial@uclouvain.be

