

ARKE2



Programme management

ARKE Département d'archéologie et d'histoire de l'art **Responsable académique :**Jan Driessen **Contact :**Bernadette Vervaren

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Study objectives

The second cycle of studies is an extension of the first cycle subjects and examines these from historical, geographical and thematic perspectives (architecture, paintings and sculpture, for example). These are combined with appropriate practical exercises. This study cycle also includes the writing of a thesis which focuses on an archaeological, history of art or musicology subject, thus crowning the student's personal work achievement.

The student is also required to acquire knowledge of one or two languages, according to choice.

Admission conditions

This programme is accessible to students holding the "candidature" academic certificate in History of Art and Archaeology, or a diploma judged to be equivalent.

Admission procedure

The University admission and enrolment procedures are specified under the section "Access to studies" of the web page : http://www.ucl.ac.be/etudes/libres/acces.html .

General structure of the programme

The "licence" programme consists of two years of studies. During this time, the students will follow the courses of the **core** syllabus, the **courses of their orientation** (antiquity; middle ages, modern times and the contemporary period; musicology; mixed courses) and option s, forming a study project which must be submitted for the approval of the department council. The programme will total 120 credits (including 30 for the thesis) over the two years of studies.

The Antiquity orientation includes fundamental subjects and offers the choice between **three branches of studies** : Prehistory and Anthropology, Egypt and the Ancient Orient, the Classical World.

The **options**, which will be chosen from the History of Art and Archaeology programme or from elsewhere on the University programme, **must complete the timetable volume of the courses to the equivalent total of 90 credits** for the two year "licence" programme.

Besides the three traditional study **orientations** of the department (antiquity; middle ages, modern times and contemporary period; musicology), allowances can be made in the case of a student whose interests justify it (concluding concretely in the choice of his thesis subject) for him to exceptionally be able to select 90 credits in two years from the whole list of orientation courses (in this case : mixed orientation).

Programme content

ARKE21 et 22 First and second years

The **programme** must be submitted **by 20th October**, for each of the two years of the "licence" programme. Any student whose programme does not conform to the requirements or which is not handed in within the deadline, risks having his exam registration refused.

A. Core syllabus Compulsory gener <u>FLTR2110</u>	al courses Questions of Religious Sciences[15h] (2 credits) A (in	Joseph Famerée	
<u>FLIK2110</u>		Joseph Pameree	
FILO1280	French) History of philosophy 1 : History of ancient philosophy[30h] (3 credits) Ø (in French)	Pierre Destrée	
or			
<u>FLTR2130</u>	History of Philosophy from the 13 th Century till the Contemporary Era[30h] (3 credits) (in French)	Gilbert Gérard	
<u>ARKE2110</u>	Aesthetics and Philosophy of Art (Advanced Course)[30h] (3 credits) (in French)	Danielle Lories	
Compulsory specia			
<u>ARKE2121</u>	Museology I[15h+15h] (4 credits) \bigcirc (in French)	N.	
<u>ARKE2122</u>	Museology II[15h+15h] (4 credits) \bigoplus (in French)	Marie-Cécile Bruwier	
<u>ARKE2220</u>	Archeometry[15h] (2 credits) \bigcirc (in French)	N.	
or			
<u>ARKE2340</u>	Technology of Plastic Arts and Laboratory Methods[30h+30h] (4 credits) \swarrow (in French)	Hélène Verougstraete	
0r	Concernstion of Anchoral sized Haritage , Antiquite [15h] (2)	Marras Cassaliáni	
<u>ARKE2230</u>	Conservation of Archaeological Heritage : Antiquity[15h] (2 credits) \bigoplus (in French)	Marco Cavaliéri	
or <u>ARKE2350</u>	Conservation of Monuments : Middle Ages, Modern Times,	Philippe Bragard	
ARREZSSO	Contemporary $\text{Era}[15h]$ (2 credits) \heartsuit (in French)	r imppe Bragaid	
<u>ARKE2380</u>	Iconology : Middle Ages and Modern Times[30h] (4 credits)	Pauline Voute	
or <u>ARKE2570</u>	Iconology : Antiquity[30h] (4 credits) 💋 (in French)	Eric De Waele, Jan Driessen (coord.)	
<u>ARKE2360</u>	History of Early Christian Art[30h] (4 credits) \bigcirc (in	Pauline Voute	
<u>/////////////////////////////////////</u>	French)		
<u>ARKE2670</u> (The last course mu	Arts of the 20th Century[30h] (4 credits) (in French) ast be followed in the first year.)	Alexander Streitberger	
Compulsory langu			
	nication course, 30 hours, intermediate or avanced level. The st	udent must take the exam in the first year. If	
•	dy, he may postpone the exam until the second year.)		
Courses according		N	
ALLE2410 or	German - Interactive communication[30h] (4 credits)	N.	
ANGL2414 or	Interactive Communication[30h] (4 credits)	Philippe Denis	
<u>NEER2414</u>	Dutch communication skills for students in archaeology[30h] (4 credits)	Mariken Smit (coord.)	
B. Orientation courses			
Orientation : antiquity			
I. Basic subjects			
(36 credits in two y <u>ARKE2132</u>	ears. Most of the courses followed include practical exercises.) Archaeology and Art History of the Prehistoric Era and Exercices : Prehistory[30h+15h] (4 credits) (in French)	N.	
<u>ARKE2133</u>	Archaeology and Art History of the Prehistoric Era and Exercices : Proto-history[$30h+15h$] (4 credits) \bigoplus (in	Raymond Brulet	
	French)		
<u>ARKE2150</u>	Art History and Archaeology of Pharaonic Egypt[30h+15h] (4 credits) (in French)	Nadine Cherpion	
<u>ARKE2160</u>	History of Art and Archaeology of the Levant : A) Ancient Orient; B) Hellenised Orient[30h+15h] (4 credits) (in French)	Pauline Voute	
<u>ARKE2170</u>	Archaeology and Art History of Ancient Greece and Exercices[30h+15h] (4 credits) (in French)	Jan Driessen	

ARKE2180	Archaeology and Art History of Ancient Roman Civilization	Marco Cavaliéri
	: A) Archaic and Republican Rome; B) Roman	
	Empire[30h+15h] (4 credits) (in French)	
ARKE2190	Archaeology of the regions of North-Western Europe : A)	Raymond Brulet
	Gallo-Roman archaeology; B) Medieval	-
	archaeology[30h+15h] (4 credits) (in French)	
ARKE2500	Etruscology and Italic Antiquity[30h+15h] (4 credits) (in	N.
	French)	
II. Specialised bran	nches	
(compulsory choice	of a course branch)	
1 Prohistory and A	nthronology	

1. Prehistory and Anthropology

1. I remstory and r	intil opology	
SESP1233	A préciser (in French)	
and 10 credits to be	chosen from among:	
<u>SC2004</u>	Evolution et hominisation[15h] (2 credits) (in French)	Marie-Claire Van Dyck
<u>ARKE2660</u>	Paleo-Anthropology[22.5h] (2.5 credits) \bigoplus (in French)	Marie-Claire Van Dyck
GEOL2401	Paléontologie des vertébrés[22.5h] (2.5 credits) (in French)	Marie-Claire Van Dyck
ARKE2630	A préciser (in French)	
<u>ARKE2640</u>	History of African Arts[30h] (4 credits) (in French)	Clementine Madiya Nzuji
GLOR2804	History of oriental writings[30h] (4 credits) (in French)	Yves Duhoux

2. Egypt and the Ancient Orient

A language course (4 credits) to be chosen from among the courses of the study year programme HORI 21 and 22 (list A. - elementary course). This course must be in relation with the thesis. (30 hours.). and 10 credits to be chosen from among :

and 10 credits to be	chosen from among :		
<u>ARKE2560E</u>	Géographie historique et topographie de l'antiquité : Est de la méditérranée[15h] (2 credits) (f) (in French)	N.	
<u>RELI2470</u>	History and Archaeology of Palestine[30h] (4 credits) (in French)	Jean-Marie Van Cangh	
<u>GLOR2856</u>	History and geography of the Ancient East[30h] (4 credits) (in French)	Jean-Marie Van Cangh	
GLOR2804	History of oriental writings[30h] (4 credits) (in French)	Yves Duhoux	
<u>GLOR2846</u>	Near Eastern and Egyptian literature[30h] (4 credits) \bigoplus (in	Claude Obsomer	
	French)		
3. The classical wor			
<u>ARKE2210</u>	Explanation of Texts related to Archaeology and History of Art : Ancient Civilization[30h] (4 credits) (in French)	Marco Cavaliéri	
and 10 or 12 credits	to be chosen from among :		
<u>ARKE2560M</u>	Géographie historique et topographie de l'antiquité : Monde grec et monde romain[15h] (2 credits) (in French)	N.	
<u>ARKE2580</u>	History of Urban Development : Antiquity[15h] (2 credits)	N.	
<u>ARKE2610</u>	Numismatics : Antiquity[30h] (4 credits) (in French)	Patrick Marchetti	
FLTR2180	Greek epigraphy[30h] (4 credits) 💋 (in French)	Yves Duhoux	
FLTR2181	Latin epigraphy[30h] (4 credits) (in French)	Marco Cavaliéri	
FLTR2202	Institutional History : Antiquity[30h] (4 credits) (in French)	Françoise Van Haeperen	
	le ages, modern times and contemporary period		
1. Branch "Arts of the middle ages " (40 credits in two years)			
18 credits of compu	•		
<u>ARKE2250</u>	History of Architecture : Middle Ages[30h+15h] (6 credits)	Philippe Bragard, Laurent Verslype	
<u>ARKE2270</u>	History of Sculpture : From the Middle Ages to the 18th century[$30h+15h$] (6 credits) \bigcirc (in French)	N.	
<u>ARKE2290</u>	History of Painting and Engraving : Middle Ages[30h+15h] (6 credits) \bigoplus (in French)	Hélène Verougstraete	

22 credits of options :

• including 10 credits minimum from among the courses offered below;

• and 12 credits chosen from the courses offered below and/or from the ARKE programme and/or from elsewhere on the UCL programme, with the approval of the programme Management Committee.

(N.B. : out of the to	tal of 22 credits, a minimum of 10 credits of courses with the	e ARKE acronym is required)
<u>ARKE2190B</u>	Archéologie du Nord-Ouest de l'Europe : B) Archéologie médiévale(4 credits) (in French)	N.
<u>ARKE2620</u>	Numismatics : Middle Ages and Modern Times[30h] (4 credits) Ø (in French)	Johan van Heesch
<u>ARKE2311</u>	History of Decorative Arts : textile, glass, ceramics[30h] (4 credits) \bigotimes (in French)	Hélène Verougstraete
<u>ARKE2312</u>	History of Decorative Arts : furniture[30h] (4 credits) \bigoplus (in	Hélène Verougstraete
	French)	
<u>ARKE2322</u> <u>ARKE2370</u>	A préciser (in French) History of Byzantine and Eastern Christian Art[30h] (4 credits) Ø (in French)	N.
<u>ARKE2401</u> <u>ARKE2530</u>	A préciser (in French) History of Islamic Art[30h] (4 credits) 💋 (in French)	Pauline Voute
<u>ARKE2590</u>	History of Urban Development : Middle Ages, Modern Times, and the Contemporary $Era[15h]$ (2 credits) \bigoplus (in	Philippe Bragard
<u>ARKE2501</u>	French) Practice in the Transmission of Scientific Knowledge : Art History, Archaeology, and Musicology[15h] (2 credits) (in French)	Marie-Emilie Ricker
<u>ARKE2510</u>	Seminar : Epistemological Approaches to Art History, Archaeology, and Musicology[15h] (2 credits) (in French)	Marie-Emilie Ricker
<u>COMU2131</u>	Semiology of analogue communications[30h] (3 credits) (in French)	Jean-Pierre Meunier
<u>SESP1270</u>	A préciser (in French)	
FLTR2530	History of medieval Latin literature[30h] (2.5 credits) \bigoplus (in	Paul Deproost
FLTR2550	French) Histoire des sciences de l'antiquité et du moyen âge[22.5h] (3 credits) (in French)	Anne Tihon
GLOR2806	Arts and Civilisation : Ancient India[15h] (2 credits) \bigcirc (in	Christophe Vielle
<u>GLOR1541</u>	French) History and Society of India and the Far East I[30h] (3 credits) Ø (in French)	Paul Servais
<u>GLOR1542</u>	Culture and Civilization of India and the Far East I[30h] (3 credits) (1) (in French)	Robert Deliège
<u>HIST2200</u>	Western paleography : A) introduction to paleography (15 hours) B) paleography in the western Middle Ages (15	Baudouin Van den Abeele
<u>HIST2231</u>	hours)[30h] (3 credits) (in French) A history of institutions : the Middle Ages[30h] (3 credits) (in French)	Jean-Marie Yante
<u>HIST2550</u>	History of ancient and medieval thought[30h] (3 credits) (in French)	Baudouin Van den Abeele
<u>ROM2210</u>	History of French Literature from the Middle Ages I 1) Epic poetry 2) courtly novels[30h] (3 credits) A (in French)	Colette Storms
<u>ROM2220</u>	History of French literature of the Middle Ages II[30h] (4 credits) \bigotimes (in French)	Claude Thiry
<u>THEO3341</u>	Church History: Middle Ages[30h] (3 credits) 💋 (in French)	Jacques Pijcke
	modern times " (40 credits in two years)	
18 credits of comput ARKE2260	lsory courses: History of Architecture : Modern Times and the Contemporary Era[30h+15h] (6 credits) 🕀 (in French)	Philippe Bragard
<u>ARKE2270</u>	History of Sculpture : From the Middle Ages to the 18th century[$30h+15h$] (6 credits) \bigcirc (in French)	N.
<u>ARKE2300</u>	History of Painting and Engraving : Modern Times and Contemporary $Era[30h+15h]$ (6 credits) \bigcirc (in French)	Hélène Verougstraete
22 credits of options	•	

• including 10 credits minimum from among the courses offered below;

•	and 12 credits chosen from the courses offered below and/or from the ARKE programme and/or from elsewhere on the
	UCL programme, with the approval of the programme Management Committee.

	ime, with the approval of the programme Management Committ	
	otal of 22 credits, a minimum of 10 credits of courses with the	
<u>ARKE2620</u>	Numismatics : Middle Ages and Modern Times[30h] (4 credits) 🖉 (in French)	Johan van Heesch
<u>ARKE2311</u>	History of Decorative Arts : textile, glass, ceramics[30h] (4 credits) (in French)	Hélène Verougstraete
ARKE2312	History of Decorative Arts : furniture[30h] (4 credits) \bigoplus (in	Hélène Verougstraete
	French)	
<u>ARKE2322</u>	A préciser (in French)	
ARKE2410	A préciser (in French) Lister of Urban Davidamment : Middle Acce, Madam	Dhiling Drogord
<u>ARKE2590</u>	History of Urban Development : Middle Ages, Modern Times, and the Contemporary $\text{Era}[15h]$ (2 credits) \bigoplus (in	Philippe Bragard
ARKE2501	French) Practice in the Transmission of Scientific Knowledge : Art	Marie-Emilie Ricker
	History, Archaeology, and Musicology[15h] (2 credits) (in French)	
<u>ARKE2510</u>	Seminar : Epistemological Approaches to Art History, Archaeology, and Musicology[15h] (2 credits) (in French)	Marie-Emilie Ricker
<u>COMU2131</u>	Semiology of analogue communications[30h] (3 credits) (in French)	Jean-Pierre Meunier
<u>SESP1270</u>	A préciser (in French)	
<u>FLTR2150</u>	History of Humanism[30h] (3 credits) 💋 (in French)	Monique Dopchie
FLTR2250	Comparative Modern Literature[30h] (3 credits) (in French)	Jean-Claude Polet
<u>FLTR2280</u> <u>GLOR2806</u>	History of book and reading[30h] (3.5 credits) (in French) Arts and Civilisation : Ancient India[15h] (2 credits) (in	Ralph Dekoninck, Michel Lisse Christophe Vielle
<u>OLOR2000</u>	French)	
<u>GLOR1541</u>	History and Society of India and the Far East I[30h] (3 credits) (7) (in French)	Paul Servais
GLOR1542	Culture and Civilization of India and the Far East I[30h] (3 credits) \bigoplus (in French)	Robert Deliège
<u>HIST2200</u>	Western paleography : A) introduction to paleography (15 hours) B) paleography in the western Middle Ages (15	Baudouin Van den Abeele
<u>HIST2240</u>	hours)[30h] (3 credits) (in French) A history of institutions : modern times[30h] (3 credits) (in Franch)	Claude Bruneel
<u>ROM2231</u>	French) History of French literature from XVI till XVII century[30h] (2.5 credits) (in French)	Agnes Guiderdoni
<u>ROM2232</u>	History of French literature of the XVIII century[30h] (2.5 credits) (in French)	N.
3. Branch "Arts of	the contemporary period'' (40 credits in two years)	
18 credits of obligation	tory courses:	
<u>ARKE2260</u>	History of Architecture : Modern Times and the Contemporary $Era[30h+15h]$ (6 credits) \bigoplus (in French)	Philippe Bragard
<u>ARKE2280</u>	History of Sculpture : Contemporary Era[30h+15h] (6 credits) 🕀 (in French)	Alexander Streitberger
<u>ARKE2300</u>	History of Painting and Engraving : Modern Times and Contemporary Era[30h+15h] (6 credits) 🟹 (in French)	Hélène Verougstraete
22 credits of option	s :	
• and 12 credits	credits minimum from among the courses offered below; s chosen from the courses offered below and/or from the ARKE	
	ame, with the approval of the programme Management Committee 10 credits of courses with the programme of 10 c	
<u>ARKE2640</u>	batal of 22 credits, a minimum of 10 credits of courses with the History of African Arts[30h] (4 credits) \bigoplus (in French)	Clementine Madiya Nzuji
<u>ARKE2630</u> <u>ARKE2620</u>	A préciser (in French) Numismatics : Middle Ages and Modern Times[30h] (4	Johan van Heesch

credits) Ø (in French)

<u>ARKE2311</u>	History of Decorative Arts : textile, glass, ceramics[30h] (4 credits) \bigotimes (in French)	Hélène Verougstraete
<u>ARKE2312</u>	History of Decorative Arts : furniture[30h] (4 credits) \bigoplus (in French)	Hélène Verougstraete
<u>ARKE2322</u> <u>ARKE2590</u>	A préciser (in French) History of Urban Development : Middle Ages, Modern Times, and the Contemporary Era[15h] (2 credits) ((in	Philippe Bragard
ARKE2510	French) Seminar : Epistemological Approaches to Art History, Archaeology, and Musicology[15h] (2 credits) (in French)	Marie-Emilie Ricker
<u>ARKE2501</u>	Practice in the Transmission of Scientific Knowledge : Art History, Archaeology, and Musicology[15h] (2 credits) (in	Marie-Emilie Ricker
<u>ARKE2900</u>	French) Seminar : Teaching Methodology in Art History and Aesthetics[30h] (4 credits) (in French)	Marie-Emilie Ricker
<u>COMU2131</u>	Semiology of analogue communications[30h] (3 credits) (in French)	Jean-Pierre Meunier
<u>COMU2113</u> <u>SESP1270</u>	The press, journalism and society[30h] (3 credits) (in French) A préciser (in French)	Gabriel Ringlet
<u>THEA2240</u>	Study of the French theatre[30h] (4 credits) (in French)	Pierre Piret
<u>THEA2270</u>	History of dramatic production[30h] (3.5 credits) (in French)	Bernard Faivre
EDPH2273	Danse : diversification[7.5h+22.5h] (1.5 credits) (in French)	Dominique De Jaeger, Cécile Delens (coord.)
FLTR2150	History of Humanism[30h] (3 credits) 🔗 (in French)	Monique Dopchie
FLTR2280	History of book and reading[30h] (3.5 credits) (in French)	Ralph Dekoninck, Michel Lisse
GLOR2806	Arts and Civilisation : Ancient India[15h] (2 credits) 🖉 (in	Christophe Vielle
<u>GLOR1541</u>	French) History and Society of India and the Far East I[30h] (3 credits) (in French)	Paul Servais
<u>GLOR1542</u>	Culture and Civilization of India and the Far East I[30h] (3 credits) \bigoplus (in French)	Robert Deliège
HIST2330	Questions in contemporary history[30h] (4.5 credits) 🟹 (in	Michel Dumoulin
	French)	
<u>HIST2320</u>	History of Wallonia, especially modern and contemporary Wallonia[30h] (3 credits) 👩 (in French)	Jean-Marie Yante
<u>HIST2520</u>	History of European overseas expansion[30h] (3 credits)	Michel Dumoulin, Paul Servais
<u>ROM2240</u>	(in French) History of XIXth and XXth century French Literature[30h] (2.5 credits) (in French)	Georges Jacques
<u>ROM2430</u>	History of contemporary French Literature[30h] (3 credits)	Vincent Engel
<u>ROM2441</u>	French-speaking literature in Belgium[30h] (3 credits) $\underline{\Lambda}$ (in French)	N.

4. Mixed branches

49 credits in two years:

- including 28 credits of courses with the ARKE acronym (of which at least three will feature among the compulsory courses of the three other branches);
- and 12 credits from "others" (from the branches or elsewhere).

Mixed orientation

(40 credits minimum, to be chosen from among the following orientations: Antiquity - fundamental subjects, Middle Ages, modern times and the contemporary period and Musicology - to be spread over two years)

C. Options

(free choice courses in relation with the subject of the thesis)

(credits necessary to reach a total of 120 credits for the whole of the programme, 30 credits of which will be attributed to the thesis)

to be chosen from among :

<u>SESP1233</u>	A préciser (in French)
<u>ARKE2530</u>	History of Islamic Art[30h] (4 credits) 🖉 (in French)

Pauline Voute

<u>ARKE2560E</u>	Géographie historique et topographie de l'antiquité : Est de la méditérranée[15h] (2 credits) 🕀 (in French)	N.
<u>ARKE2560M</u>	Géographie historique et topographie de l'antiquité : Monde grec et monde romain[15h] (2 credits) 🕀 (in French)	N.
<u>ARKE2580</u>	History of Urban Development : Antiquity[15h] (2 credits)	N.
<u>ARKE2590</u>	History of Urban Development : Middle Ages, Modern Times, and the Contemporary $Era[15h]$ (2 credits) \bigoplus (in	Philippe Bragard
	French)	
ARKE2610	Numismatics : Antiquity[30h] (4 credits) (In French)	Patrick Marchetti
<u>ARKE2620</u>	Numismatics : Middle Ages and Modern Times[30h] (4 credits) 👩 (in French)	Johan van Heesch
ARKE2630	A préciser (in French)	
ARKE2640	History of African Arts[30h] (4 credits) 🕀 (in French)	Clementine Madiya Nzuji
ARKE2660	Paleo-Anthropology[22.5h] (2.5 credits) 📋 (in French)	Marie-Claire Van Dyck
<u>ARKE2501</u>	Practice in the Transmission of Scientific Knowledge : Art History, Archaeology, and Musicology[15h] (2 credits) (in French)	Marie-Emilie Ricker
<u>ARKE2510</u>	Seminar : Epistemological Approaches to Art History, Archaeology, and Musicology[15h] (2 credits) (in French)	Marie-Emilie Ricker
<u>ARKE2900</u>	Seminar : Teaching Methodology in Art History and Aesthetics[30h] (4 credits) (in French)	Marie-Emilie Ricker
EDPH2273	Danse : diversification[7.5h+22.5h] (1.5 credits) (in French)	Dominique De Jaeger, Cécile Delens (coord.)

or to be chosen from among the courses registered on the programme of the Department of Archaeology and the History of Art, within the Faculty or the University.

Other possible options :

Dutch		
NEER1300	Interactive communication in Dutch - intermediate level[30h]	Isabelle Demeulenaere (coord.)
	(4 credits)	
NEER1320	Interactive communication in Dutch - intermediate level[30h]	Isabelle Demeulenaere (coord.)
	(4 credits)	
<u>NEER1500</u>	Interactive communication in Dutch - upper-intermediate	Isabelle Demeulenaere (coord.)
	level[30h] (4 credits)	
English		
ANGL1300	Interfaculty English Conversation Class[30h] (4 credits)	Claudine Grommersch, Lutgarde
		Schrijvers
ANGL1320	Interfaculty English Conversation Class[30h] (4 credits)	Lutgarde Schrijvers
ANGL1501	Interfaculty English Conversation Class[30h] (4 credits)	Jennifer Moreman
D. Thesis		

(30 credits)

Presentation of a thesis on an archaeological and history of art subject, in relation with the course content taught within the chosen orientation or on an optional topic, subject to the approval of the programme manager or his delegate. The topic of the thesis is to be submitted to the secretary's office for Archeology and History of Art before the end of the first quadrimester of the first year of the "licence" programme.

Evaluation

The "licence" **exams** consist of two tests, totalling 120 credits. The **first year** of the programme focuses on the courses and practical exercises of the first year, for a **total minimum of 60 credits**. The second year focuses on the courses and exercises of the second year, for a minimum total of 30 credits and a **thesis to the equivalent value of 30 credits**.