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## MINCULTS - Introduction

### Introduction

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## MINCULTS - Teaching profile

### Learning outcomes

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

### Programme

#### DETAILED PROGRAMME BY SUBJECT

- Mandatory
- ⊗ Optional
- △ Not offered in 2021-2022
- ⊙ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

30 crédits

Year

2 3

#### Content:

##### ⊗ Séminaires

⊗ LSC1300	Séminaire de culture scientifique		FR [ ] [ ] [5 Credits]	X	X
⊗ LSC1350	Séminaire d'application des sciences		FR [ ] [ ] [5 Credits]	X	X
⊗ LSST1002M	Information and critical thinking - MOOC	Myriam De Kesel Jean-François Rees	FR [q2] [30h+15h] [3 Credits]	X	X

##### ⊗ Biologie

###### ⊗ Niveau 0 (cours abordables sans pré-requis mais ne permettant pas de suivre un cours de niveau 2)

Max un cours parmi :

Maximum 1 element(s)

⊗ LBIO1114	Introduction to biology	Patrick Dumont Caroline Nieberding	FR [q2] [30h+7.5h] [3 Credits]	X	X
⊗ LPSP1005	General biology, including elements of human genetics	André Moens	FR [q1] [30h] [4 Credits]	X	X

###### ⊗ Niveau 1 (cours abordables sans pré-requis)

⊗ LBIO1110	Life : diversity and evolution	Patrick Dumont Caroline Nieberding	FR [q1] [30h+10h] [4 Credits]	X	X
⊗ LBIO1111	Cell and molecular biology	André Lejeune	FR [q1] [30h+20h] [5 Credits]	X	X
⊗ LBIO1112	Organism biology : plants and animals	André Lejeune Jean-François Rees	FR [q2] [30h+20h] [5 Credits]	X	X
⊗ LBIO1116	Scientific approach in biology	Muriel Quinet	FR [q2] [30h+30h] [5 Credits]	X	X
⊗ LBIO1117	Ecology I	Renate Wesselingh	FR [q2] [30h+10h] [4 Credits]	X	X

###### ⊗ Niveau 2 (cours nécessitant des pré-requis de niveau 1)

⊗ LBIO1230	Invertebrate biology	Jean-François Rees	FR [q1] [10h+40h] [4 Credits]	X	X
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				Year	
				2	3
⊗ LBIO1234A	Animal histology	Anne-Catherine Gérard (compensates) Bernard Knoops	FB [q1] [20h+10h] [2 Credits]	x	x
⊗ LBIO1235	General cell physiology	Stanley Lutts Jean-François Rees	FB [q1] [15h+15h] [2 Credits]	x	x
⊗ LBIO1240	Plant physiology	Xavier Draye Stanley Lutts	FB [q1] [40h+15h] [4 Credits]	x	x
⊗ LBIO1213	Morphology and physiology of fungi	Stephan Declerck	FB [q1] [15h+10h] [2 Credits]	x	x
⊗ LBIO1217	Ecology II	Thierry Hance Caroline Nieberding Hans Van Dyck Renate Wesselingh (coord.)	FB [q2] [30h+10h] [3 Credits]	x	x
⊗ LBIO1254	Animal behavior	Françoise Gofflot	FB [q1] [20h+10h] [2 Credits] ⊕	x	x
⊗ LBIO1248	Biology and society : interdisciplinary approche of current scientific questions	Myriam De Kesel Stanley Lutts Jean-François Rees	FB [q1] [15h+15h] [2 Credits] ⊕	x	x
⊗ LBIO1317	Functional ecology	Caroline Nieberding Renate Wesselingh	FB [q1] [30h] [2 Credits]	x	x

### ⊗ Max un cours parmi

Maximum 1 element(s)

⊗ LBIR1352	General genetics	Philippe Baret (coord.) Jacques Mahillon (compensates) Philippe Baret	FB [q2] [45h+15h] [5 Credits]	x	x
⊗ LBIR1352A	Génétique générale - partim A	Philippe Baret	FB [q2] [30h+7.5h] [3 Credits]	x	x
⊗ LBIO1221	Genetics	Charles Hachez André Lejeune	FB [q2] [20h+15h] [2 Credits]	x	x

### ⊗ Niveau 2 (cours nécessitant des pré-requis de niveau 1 en biologie et en chimie)

Maximum 1 element(s)

⊗ LBIR1250	Biochemistry I	Michel Ghislain Yvan Larondelle (coord.)	FB [q1] [30h+15h] [4 Credits]	x	x
⊗ LCHM1271A	Eléments de biochimie	Patrice Soumillion	FB [q1] [30h+20h] [3 Credits]	x	x

### ⊗ Niveau 3 (cours nécessitant des pré-requis de niveau 2)

⊗ LBIR1350	General Microbiology	Jacques Mahillon	FB [q2] [37.5h+15h] [4 Credits]	x	x
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## ⊗ Chimie

### ⊗ Niveau 1 (cours abordables sans pré-requis)

Maximum 1 element(s)

⊗ LCHM1112	General Chemistry	Yaroslav Filinchuk	FB [q1] [30h+22.5h] [5 Credits]	x	x
⊗ LCHM1111	General chemistry	Michel Devillers	FB [q1] [45h+67.5h] [11 Credits]	x	x
⊗ LCHM1111A	General chemistry	Michel Devillers	FB [q1] [45h+30h] [6 Credits]	x	x
⊗ LCHM1111B	General chemistry	Michel Devillers	FB [q1] [45h+45h] [8 Credits]	x	x

### ⊗ Niveau 2 (cours nécessitant des pré-requis de niveau1)

Maximum 1 element(s)

⊗ LCHM1141	Organic chemistry	Benjamin Elias (coord.) Charles-André Fustin	FB [q2] [30h+40h] [7 Credits]	x	x
⊗ LCHM1141A	Organic chemistry	Benjamin Elias (coord.) Charles-André Fustin	FB [q2] [30h+20h] [5 Credits]	x	x

## ⊗ Mathématique, physique et ingénierie

### ⊗ Niveau 1 (cours abordables sans pré-requis)

Il est indispensable de suivre un cours de math (si votre majeure n'en contient pas) pour pouvoir suivre un cours de physique.

### ⊗ Max un cours parmi

Maximum 1 element(s)

				Year	
				2	3
⊗ LECGE1112	Mathematics in economy and management	Pascal Lambrechts Mathieu Van Vyve	FB [q1] [45h+30h] [6 Credits]	x	x
⊗ LMAT1101	Mathematics 1	Pedro Dos Santos Santana Forte Vaz	FB [q1] [30h+20h] [4 Credits]	x	x

⊗ **Max un cours parmi**

Maximum 1 element(s)

⊗ LINGE1122	Physics 1	Giacomo Bruno	FB [q2] [40h+20h] [5 Credits]	x	x
⊗ LPHY1101	Physics 1	Thierry Fichet	FB [q1] [30h+40h] [6 Credits]	x	x

⊗ **Niveau 2 (cours nécessitant des pré-requis de niveau1)**

⊗ LMAT1102	Mathematics 2	Augusto Ponce	FB [q2] [30h+30h] [4 Credits]	x	x
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⊗ **Max un cours parmi**

L'étudiant qui choisit LPHY1102 est tenu de suivre (d'avoir suivi) LMAT1102.

Maximum 1 element(s)

⊗ LPHY1102	Physics 2	Vincent Lemaitre	FB [q2] [54h+36h] [7 Credits]	x	x
⊗ LPHY1103	Additional physics	Eduardo Cortina Gil Adrien Poncelet	FB [q2] [40h+10h] [4 Credits]	x	x
⊗ LELEC1930	Introduction to telecommunication	Jérôme Louveaux	FB [q2] [30h+15h] [4 Credits]	x	x
⊗ LINGE1317	Research and technological development: energy, electronics and telecommunications	Francesco Contino Benoît Macq	FB [q1] [32.5h+7.5h] [4 Credits]	x	x
⊗ LINGE1327	Research and technological development: mechanical, chemical and materials	Paul Fissette Bernard Nysten	FB [q2] [32.5h+7.5h] [4 Credits]	x	x
⊗ LPHYS1214	Astronomy and geophysics	Véronique Dehant Patricia Lampens	FB [q2] [22.5h+15h] [5 Credits]	x	x

⊗ **Sciences de la terre**

⊗ **Niveau 1 (cours abordables sans pré-requis)**

⊗ LBIR1130	Introduction to Earth sciences	Pierre Delmelle (coord.) Sophie Opfergelt Sophie Opfergelt (compensates Pierre Delmelle)	FB [q2] [30h+30h] [6 Credits]	x	x
⊗ LBIR1230	Introduction to biosphere engineering	Philippe Baret (coord.) Pierre Defourny Brieuc Hardy (compensates Pierre Delmelle)	FB [q2] [60h] [5 Credits]	x	x
⊗ LGEO1111	Earth and society : perspectives from geography	Marie-Laurence De Keersmaecker Bas van Wesemael	FB [q2] [30h+15h] [4 Credits]	x	x
⊗ LGEO1181	Geography in action	Patrick Meyfroidt Bas van Wesemael	FB [q1+q2] [0h+45h] [4 Credits]	x	x
⊗ LGEO1221	Elements of human geography	Marie-Laurence De Keersmaecker	FB [q1] [30h+30h] [5 Credits]	x	x
⊗ LGEO1231	Physical geography	Bas van Wesemael	FB [q1] [30h+30h] [5 Credits]	x	x
⊗ LGEO1232	The climate and its changes	Francesco Ragone Kristof Van Oost	FB [q2] [30h] [5 Credits]	x	x
⊗ LGEO1241	Cartography and spatial data analysis	Patrick Meyfroidt Isabelle Thomas	FB [q2] [30h+30h] [5 Credits]	x	x
⊗ LGEO1251	Earth's history	Veerle Vanacker	FB [q2] [30h+60h] [6 Credits]	x	x

⊗ **Niveau 2 (cours nécessitant des pré-requis de niveau1)**

⊗ LBIR1328	Climatology and hydrology applied to agronomy and the environment	Alice Alonso (compensates Marnik Vanclooster) Charles Biolders (coord.) Hugues Goosse	FB [q1] [45h+22.5h] [6 Credits]	x	x
⊗ LBIR1334	Introduction to forestry sciences	Quentin Ponette (coord.) Caroline Vincke	FB [q2] [22.5h+15h] [3 Credits]	x	x

				Year	
				2	3
⌘ LBIR1336	Sciences du sol et excursions intégrées	Yannick Agnan (coord.) Richard Lambert Caroline Vincke	FR [q2] [30h+37.5h] [5 Credits]	x	x
⌘ LGEO1332	Biogeography	Caroline Nieberding Renate Wesselingh	FR [q2] [30h+24h] [4 Credits]	x	x
⌘ LGEO1342	Geographical Information Systems (GIS)	Sophie Vanwambeke	FR [q1] [30h+30h] [5 Credits]	x	x

## 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.

## MINCULTS - Information

### Access Requirements

The minor is accessible, with no entry requirements, to all baccalaureate students, regardless of their option. It is taken in the second and third year of the baccalaureate. The minor is also open to adults.

### Evaluation

*The evaluation methods comply with the regulations concerning studies and exams (<https://uclouvain.be/fr/decouvrir/rgee.html>). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".*

### Possible trainings at the end of the programme

The minor does not lead on to any master's in particular. It will make it easier for students to understand problems in exact sciences dealt with on the master's course, even if students only have only received limited training in these subject areas when studying for their baccalaureate.

### Contacts

#### Curriculum Management

Faculty

Structure entity

SST/SC

Denomination

Faculty of Science (SC)

Sector

Sciences and Technology (SST)

Acronym

SC

Postal address

Place des Sciences 2 - bte L6.06.01

1348 Louvain-la-Neuve

Tel: +32 (0) 10 47 33 24 - Fax: +32 (0) 10 47 28 37

Website

<http://www.uclouvain.be/sc>

Mandate(s)

- Dean : Pascal Lambrechts
- Administrative director : Chantal Poncin

Commission(s) of programme

- Ecole de biologie (BIOL)
- Commission de l'agrégation et de la formation continue en Sciences (CAFC)
- Ecole de chimie (CHIM)
- Ecole de géographie (GEOG)
- Louvain School of Statistics, Biostatistics and Actuarial Sciences (LSBA)
- Ecole de mathématique (MATH)
- Ecole de physique (PHYS)
- Ecole de médecine vétérinaire (VETE)

Academic supervisor: [Benjamin Elias](https://uclouvain.be/repertoires/benjamin.elias) (<https://uclouvain.be/repertoires/benjamin.elias>)

Useful Contact(s)

- Vice-Dean of Student Affairs , study advisor for the minor in scientific culture: [Benjamin Elias](https://uclouvain.be/repertoires/benjamin.elias) (<https://uclouvain.be/repertoires/benjamin.elias>)
- Administrative manager for the annual program of the student registered in the Faculty of sciences: [Nathalie Micha](https://uclouvain.be/repertoires/nathalie.micha) (<https://uclouvain.be/repertoires/nathalie.micha>)

