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## APPBIOL - Introduction

### Introduction

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## APPBIOL - Teaching profile

### Learning outcomes

To provide students with training in a different discipline to that followed as their baccalaureate major.

### 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

#### o Content:

##### o Cours du bloc 2 (10 credits)

○ LBIO1237	<a href="#">Immunology : basis and applications in biology</a>	Jean-Paul Dehoux	[FR] [q1] [25h+15h] [3 Credits]	X	
○ LBIO1281	<a href="#">Integrated work in biology</a>	Corentin Claeys Bouuaert Benoît Desguin Françoise Gofflot Pascal Hols André Lejeune (coord.) Jean-François Rees	[FR] [q2] [10h+35h] [3 Credits]	X	
○ LBIO1216	<a href="#">Marine biology field</a>	Jérôme Malfet	[FR] [q2] [4h+36h] [2 Credits]	X	

##### o Cours au choix du bloc 2 (2 credits)

L'étudiant-e choisit 2 crédits parmi :

⊗ LBIO1248	<a href="#">Biology and society : interdisciplinary approche of current scientific questions</a>	Myriam De Kesel Stanley Lutts Jean-François Rees	[FR] [q1] [15h+15h] [2 Credits] ⊕	X	
⊗ LBIO1252	<a href="#">Plant ecophysiology</a>		[FR] [q2] [20h+10h] [2 Credits] ⊙	X	
⊗ LBIO1253	<a href="#">Animal ecophysiology</a>	Jean-François Rees	[FR] [q2] [20h+10h] [2 Credits] ⊕	X	
⊗ LBIO1254	<a href="#">Animal behavior</a>	Françoise Gofflot	[FR] [q1] [20h+10h] [2 Credits] ⊙	X	

##### o Cours du bloc 3 (20 credits)

○ LSC1120A	<a href="#">Philosophy</a>	Alexandre Guay	[FR] [q1] [30h] [2 Credits]		X
○ LBIO1312	<a href="#">Field work</a>	Patrick Dumont André Lejeune	[FR] [q2] [0h+75h] [4 Credits]		X
○ LGEO1332A	<a href="#">Biogeography - Lectures</a>	Caroline Nieberding Renate Wesselingh	[FR] [q2] [30h] [2 Credits]		X

##### o Cours au choix du bloc 3

L'étudiant-e choisit 12 crédits parmi les cours ci-dessous ou parmi les cours de bachelier de l'université. Pour les étudiants se destinant au master en biologie des organismes et écologie, il est recommandé de suivre LBRAI2010B et au moins un des enseignements suivants : LBIO1356 et/ou LBIO1357 (un étudiant peut évidemment suivre les deux). Pour les étudiants se destinant au master en biochimie et biologie moléculaire et cellulaire, il est recommandé de suivre LBIO1322 et LBRAL2102A. B

				Year	
				2	3
⊗ LBIO1315	Marine Biology	Jérôme Malfet	EB [q2] [25h] [2 Credits]		x
⊗ LBIO1322	Integrated tutorials in biochemistry and molecular biology	Bernard Hallet Patrice Soumillion	EB [q2] [5h+45h] [4 Credits]		x
⊗ LBIO1332	Animal embryology and development genetics	Françoise Gofflot René Rezsöházy	EB [q1] [30h+10h] [3 Credits]		x
⊗ LBIO1334	Comparative animal physiology	Patrick Dumont Françoise Gofflot Jérôme Malfet	EB [q2] [15h+35h] [4 Credits]		x
⊗ LBIO1338	Travaux pratiques intégrés de physiologie, histologie et biochimie animales	Bernard Knoops Melissa Page Jean-François Rees	EB [q2] [0h+22.5h] [2 Credits]		x
⊗ LBIO1342	Plant morphogenesis	François Chaumont	EB [q2] [20h+15h] [3 Credits]		x
⊗ LBIO1348	Global change ecology	Hans Van Dyck	EB [q2] [30h+10h] [3 Credits]		x
⊗ LBIO1349	Neurobiology	Frédéric Clotman (compensates Bernard Knoops) Françoise Gofflot Françoise Gofflot (compensates Bernard Knoops)	EB [q2] [30h+20h] [4 Credits]		x
⊗ LBIO1350	Special issues in evolution	Jean-Paul Dehoux Caroline Nieberding René Rezsöházy Patrice Soumillion (coord.)	EB [q2] [20h+10h] [2 Credits]		x
⊗ LBIO1356	Integrated practical work in ecology and biogeography: biodiversity of natural environments	Renate Wesselingh	EB [q1+q2] [10h+40h] [4 Credits]		x
⊗ LBIO1357	Integrated practical work in ecology and biogeography: biogeography of Belgium	Renate Wesselingh	EB [q1+q2] [20h+30h] [4 Credits]		x
⊗ LBIR1230A	Introduction à l'ingénierie de la biosphère: A	Philippe Baret Pierre Defourny Brieuc Hardy (compensates Pierre Delmelle)	EB [q2] [30h] [3 Credits]		x
⊗ LBRAL2102A	Physiological and nutritional biochemistry : partim parts 1, 2 and 3	Cathy Debier Yvan Larondelle	EB [q1] [18h] [2 Credits]		x
⊗ LBRAI2220A	Génétique quantitative, amélioration et biotechnologies végétales	Philippe Baret Pierre Bertin Xavier Draye	EB [q2] [20h+7.5h] [3 Credits]	x	x

## 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.

## APPBIOL - Information

### Access Requirements

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The approfondissement in biological science is open to students enrolled on the baccalaureate in biological sciences who have not already chosen the minor in chemistry in their second year.

### Evaluation

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*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".*

### Contacts

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#### Curriculum Management

Entity

Structure entity

Denomination

Faculty

Sector

Acronym

Postal address

SST/SC/BIOL

(BIOL)

Faculty of Science (SC)

Sciences and Technology (SST)

BIOL

Croix du sud 4-5 - bte L7.07.05

1348 Louvain-la-Neuve

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<https://uclouvain.be/fr/facultes/sc/biol>

Website

Academic supervisor: [André Lejeune](#)

Useful Contact(s)

- Study advisor: [André Lejeune](#)
- Administrative manager for the student's annual program: [Nathalie Micha](#)
- Secretary of the School of biology: [Bernadette Gravy](#)

