

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

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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 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
- [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	Immunology : basis and applications in biology		FR [q1] [25h+15h] [3 Credits] 🌐	X
○ LBIO1281	Integrated work in biology [M]		FR [q2] [20h+35h] [3 Credits] 🌐	X
○ LBIO1315	Marine Biology	Jérôme Malfet	FR [q2] [25h] [2 Credits] 🌐	X

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

L'étudiant-e choisit 2 crédits parmi :

⊗ LBIO1248	Biology and society : interdisciplinary approche of current scientific questions		FR [q1] [15h+15h] [2 Credits] △ ⊕ 🌐	X
⊗ LBIO1252	Plant ecophysiology	Stanley Lutts	FR [q2] [20h+10h] [2 Credits] ⊙ 🌐	X
⊗ LBIO1253	Animal ecophysiology		FR [q2] [20h+10h] [2 Credits] ⊕ 🌐	X
⊗ LBIO1254	Animal behavior	Ruben Evens (compensates Hans Van Dyck)	EN [q1] [20h+10h] [2 Credits] ⊙ 🌐	X
⊗ LBIO1216	Marine biology field [M]	Jérôme Malfet	FR [q2] [30h+36h] [2 Credits] 🌐	X

## o Cours du bloc 3 (20 credits)

○ LSC1120A	Philosophy		FR [q1] [45h] [2 Credits] 🌐	X
○ LBIO1312	Field work		FR [q2] [0h+75h] [4 Credits] 🌐	X
○ LGEO1332A	Biogeography - Lectures		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

⊗ LBIO1322	Integrated tutorials in biochemistry and molecular biology	Bernard Hallet Patrice Soumillion	FR [q2] [5h+45h] [4 Credits] 🌐	X
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				Year	
				2	3
✂ LBIO1332	Molecular Biology of Development	Françoise Gofflot René Rezsöházy	FR [q1] [30h+10h] [3 Credits] 🌐		X
✂ LBIO1334	Comparative animal physiology	Patrick Dumont Françoise Gofflot	FR [q2] [15h+35h] [4 Credits] 🌐		X
✂ LBIO1338	Travaux pratiques intégrés de physiologie, histologie et biochimie animales	Melissa Page Jean-François Rees	FR [q2] [0h+22.5h] [2 Credits] 🌐		X
✂ LBIO1342	Plant morphogenesis	François Chaumont	FR [q2] [20h+15h] [3 Credits] 🌐		X
✂ LBIO1348	Global change ecology	Hans Van Dyck	FR [q2] [30h+10h] [3 Credits] 🌐		X
✂ LBIO1349	Neurobiology	Frédéric Clotman Françoise Gofflot	FR [q2] [30h+20h] [4 Credits] 🌐		X
✂ LBIO1350	Special issues in evolution		FR [q2] [20h+10h] [2 Credits] 🌐		X
✂ LBIO1356	Integrated practical work in ecology and biogeography: biodiversity of natural environments	Renate Wesselingh	FR [q1+q2] [10h+40h] [4 Credits] 🌐		X
✂ LBIO1357	Integrated practical work in ecology and biogeography: biogeography of Belgium	Renate Wesselingh	FR [q1+q2] [20h+30h] [4 Credits] 🌐		X
✂ LBIR1230A	Introduction à l'ingénierie de la biosphère		FR [q2] [30h] [3 Credits] 🌐		X
✂ LBRAL2102A	Physiological and nutritional biochemistry : partim parts 1, 2 and 3		EN [q1] [18h] [2 Credits] 🌐 > French-friendly		X
✂ LBRAI2220A	Quantitative genetics, crop improvement and biotechnology		FR [q2] [20h+7.5h] [3 Credits] 🌐 > English-friendly	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.

## 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: [Muriel Quinet](#)

Useful Contact(s)

- Study advisor: [Stanley Lutts](#)
- Administrative manager for the student's annual program: [Nathalie Micha](#)

