







- 8.4. Concevoir des solutions dans le domaine de la gestion des ressources et de l'aménagement du territoire.
- 8.5 Tester les solutions et évaluer les impacts suivant des objectifs de développement durable.
- 9. Mobiliser les compétences nécessaires pour réaliser un travail de recherche en climatologie.
- 9.1. Comprendre la dynamique de l'atmosphère, de l'océan, et du système climatologique dans son ensemble.
- 9.2. Appréhender les techniques de modélisation du climat, en couvrant les aspects théoriques et techniques.
- 9.3. Savoir analyser et interpréter des données climatiques.
- 9.4. Mener une analyse critique sur des questions liées aux changements climatiques (passés et futurs) et en comprendre et anticiper les impacts sur la société et l'environnement de façon à devenir un acteur responsable dans le monde d'aujourd'hui.

## Programme structure

The programme comprises core subjects of 60 credits, 30 credits for the focus and 30 credits for optional subjects.

### CLIM2M Programme

## Detailed programme by subject

### CORE COURSES [60.0]

- 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

#### Module 1 : Methods for geographical and spatial analyses (10 credits)

● LGEO2211	<a href="#">Advanced statistical methods in geography</a>	Christian Hafner	FR [q1] [30h+30h] [5 Credits] 🌐	x	x
● LGEO2185	<a href="#">Advanced geo-processing</a>				



## RESEARCH FOCUS [30.0]

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- 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, ...)

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

Year

1 2

### ○ Content:

○ LGEO2997	Séminaire d'encadrement du mémoire	Michel Crucifix	
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## OPTIONS

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- > [List of elective courses](#) [ en-prog-2024-clim2m-lclim920o ]  
> [Optional courses](#) [ en-prog-2024-clim2m-lsc100o ]

## LIST OF ELECTIVE COURSES

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- 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, ...)
-

## OPTIONAL COURSES

- 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...)

These credits are not counted within the 120 required credits.

Year

1 2

### Content:

⊗ LSST1001	IngénieursSud	Stéphanie Merle Jean-Pierre Raskin	(FR) [q1+q2] [15h+45h] [5 Credits] 🌐	x	x
⊗ LSST1002M	Information and critical thinking - MOOC	Anne Bauwens (compensates Jean-François Rees) Myriam De Kesel	(FR) [q2] [30h+15h] [3 Credits] 🌐	x	x



## Course prerequisites

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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

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For each UCLouvain training programme, a [reference framework of learning outcomes](#)







Website

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

Academic supervisor: [Sophie Vanwambeke](#)

Jury

- President: [Thierry Fichet](#)
- Secretary: [Veerle Vanacker](#)
- Study advisor: [François Massonnet](#)

Useful Contact(s)

- Administrative manager for the student's annual program: [Catherine De Roy](#)

