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Introduction

Introduction

Teaching profile

Learning outcomes

Detailed programme

PROGRAMME BY SUBJECT

- Mandatory
- △ Courses not taught during 2017-2018
- ⊕ Periodic courses taught during 2017-2018
- ⊗ Optional
- ⊙ Periodic courses not taught during 2017-2018
- Activity with requisites

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

L'étudiant choisit 30 crédits de cours dans les cours du BLOC 1 et du BLOC 2, avec un maximum de 10 crédits dans le BLOC 2.

Year

2 **3**

o Module 1 (Statistique)

L'étudiant choisit LSTAT2120 ou LBIRA2101. Les UE LSTAT2360 et LSTAT2370 sont accessibles uniquement pour les étudiants du Bachelier en sciences informatiques.

⊗ LMAT1152	Exploration de données et introduction empirique à l'inférence statistique	Anouar El Ghouch	15h+15h	3 Credits	2q	x	x
⊗ LSTAT2020	Statistical computing	Céline Bugli (compensates) Bernadette Govaerts Bernadette Govaerts	20h+20h	6 Credits	1q	x	x
⊗ LSTAT2110	Data Analysis	Johan Segers	22.5h +7.5h	5 Credits	1q	x	x
⊗ LSTAT2120	Linear models	Christian Hafner	30h+7.5h	5 Credits	1q	x	x
⊗ LBIRA2101	Biometry : analysis of the variance	Xavier Draye (coord.) Anouar El Ghouch Bernadette Govaerts Bernadette Govaerts (compensates) Anouar El Ghouch)	30h+15h	4 Credits	1q	x	x
⊗ LSTAT2130	Introduction to Bayesian statistics	Philippe Lambert	15h+5h	4 Credits	2q	x	x
⊗ LSTAT2200	Survey and Sampling	Marie-Paule Kestemont	15h+5h	4 Credits	2q	x	x
⊗ LSTAT2310	Statistical quality control.	Bernadette Govaerts	15h+5h	4 Credits	1q	x	x
⊗ LSTAT2320	Design of experiment.	Patrick Bogaert Bernadette Govaerts	22.5h +7.5h	5 Credits	2q	x	x
⊗ LSTAT2330	Statistics in clinical trials.	Catherine Legrand Annie Robert	22.5h +7.5h	5 Credits	2q	x	x
⊗ LSTAT2360	Seminar in data management: basic	Catherine Legrand	7.5h+10h	5 Credits	1q	x	x
⊗ LSTAT2370	Data Management II : SAS ADVANCED PROGRAMMING	Catherine Legrand	7.5h+25h	6 Credits	2q	x	x

o Moduel 2 (Informatique)

L'étudiant choisit LSINF1101 ou LINGE1225.
Max=10 CREDITS parmi

⊗ LSINF1101	Introduction to programming	Olivier Bonaventure Charles Pecheur (coord.)	30h+30h	6 Credits	1q	x	x
⊗ LINGE1225	Algorithms and Programming in Economics and Management	Marco Saerens	22.5h +22.5h	4 Credits	1q	x	x
⊗ LSINF1225	Object-oriented design and data management	Kim Mens	30h+30h	5 Credits	2q	x	x
⊗ LSINF1121	Algorithmics and data structures	Pierre Schaus	30h+30h	5 Credits	1q	x	x
⊗ LFSAB1104	Numerical methods	Vincent Legat	30h+30h	5 Credits	1q	x	x
⊗ LINMA1702	Optimization models and methods I	François Glineur	30h +22.5h	5 Credits	2q	x	x

COURSE PREREQUISITES

A document entitled (nb: not available for this programme lstat100p) specifies the activities (course units - CU) with one or more prerequisite(s) within the study programme, that is the CU whose learning outcomes must have been certified and for which the credits must have been granted by the jury before the student is authorised to sign up for that activity.

These activities are identified in the study programme: their title is followed by a yellow square.

As the prerequisites are a requirement of enrolment, there are none within a year of a course.

The prerequisites are defined for the CUs for different years and therefore influence the order in which the student can enrol in the programme's CUs.

In addition, when the panel validates a student's individual programme at the beginning of the year, it ensures the consistency of the individual programme:

- It can change a prerequisite into a corequisite within a single year (to allow studies to be continued with an adequate annual load);
- It can require the student to combine enrolment in two separate CUs it considers necessary for educational purposes.

For more information, please consult [regulation of studies and exams](#).

THE PROGRAMME'S COURSES AND LEARNING OUTCOMES

For each UCL training programme, a [reference framework of learning outcomes](#) specifies the competences expected of every graduate on completion of the programme. You can see the contribution of each teaching unit to the programme's reference framework of learning outcomes in the document "In which teaching units are the competences and learning outcomes in the programme's reference framework developed and mastered by the student?"

Information

Liste des bacheliers proposant cette mineure

> [Bachelor in Mathematics](#) [en-prog-2017-math1ba]

Admission

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

Les étudiants ayant réalisés cette mineure d'approfondissement en statistique et sciences des données ont un accès direct au Master en Statistique. Les cours de Master suivi dans cette mineure ne pourront pas être valorisés lors de la réalisation du Master en Statistique, et seront donc remplacé par d'autres cours plus approfondi permettant ainsi aux étudiants accédant au Master en Statistique après cette mineure d'élargir et approfondir leurs connaissances dans ce domaine.

De plus les étudiants ayant réalisés cette mineure et ayant acquis, soit via cette mineure soit via leur cours à option, les prérequis nécessaires en informatique auront un accès direct pour le Master en Data Sciences, orientation statistique.

Contacts

Attention, you are currently reading an archived page: below contact informations were for program study 2017-2018 only. To get current contact informations please got to [current program study site](#).

Curriculum Management

Entity	
Structure entity	SST/SC/LSBA
Denomination	LSBA (https://uclouvain.be/repertoires/entites/lbsa)
Faculty	Faculty of Science (SC) (https://uclouvain.be/repertoires/entites/sc)
Sector	Sciences and Technology (SST) (https://uclouvain.be/repertoires/entites/sst)
Acronym	LSBA
Postal address	Voie du Roman Pays 20 - bte L1.04.01 1348 Louvain-la-Neuve Tel: +32 (0) 10 47 43 14 - Fax: +32 (0) 10 47 30 32
Web site	https://uclouvain.be/fr/facultes/sc/lbsa (https://uclouvain.be/fr/facultes/sc/lbsa)
Academic supervisor: Catherine Legrand	
Useful Contact(s)	<ul style="list-style-type: none"> • Sophie Malali

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