

Table of contents

Introduction	2
Teaching profile	3
- Learning outcomes	3
- Detailed programme	3
- Programme by subject	3
- Course prerequisites	4
- The programme's courses and learning outcomes	4
Information	5
- Access Requirements	5
- Evaluation	5
- Possible trainings at the end of the programme	5
- Contacts	5

APPSTAT - Introduction

Introduction

APPSTAT - Teaching profile

Learning outcomes

Detailed programme

PROGRAMME BY SUBJECT

● Mandatory

△ Courses not taught during 2020-2021

⊕ Periodic courses taught during 2020-2021

⊗ Optional

⊖ Periodic courses not taught during 2020-2021

■ Activity with requisites

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

Year

2 3

○ Content:

○ Module 1 (Statistique)

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

⊗ LMAFY1101	Data exploration and introduction to statistical inference	Anouar El Ghouch	30h+30h	5 Credits	q2	x	x
⊗ LSTAT2020	Statistical softwares and basic statistical programming	Céline Bugli	15h+15h	4 Credits	q1	x	x
⊗ LSTAT2110	Data Analysis	Johan Segers	30h+7.5h	5 Credits	q1	x	x
⊗ LSTAT2120	Linear models	Christian Hafner	30h+7.5h	5 Credits	q1	x	x
⊗ LSTAT2130	Introduction to Bayesian statistics	Philippe Lambert	15h+5h	4 Credits	q2	x	x
⊗ LSTAT2200	Survey and Sampling	Marie-Paule Kestemont	15h+5h	4 Credits	q2	x	x
⊗ LSTAT2310	Statistical quality control.	Bernard Francq	15h+5h	4 Credits	q1	x	x
⊗ LSTAT2320	Design of experiment.	Patrick Bogaert Bernadette Govaerts	22.5h +7.5h	5 Credits	q2	x	x
⊗ LSTAT2330	Statistics in clinical trials.	Catherine Legrand Annie Robert	22.5h +7.5h	5 Credits	q2	x	x
⊗ LDATS2360	Seminar in data management: basic	Céline Bugli	15h+10h	5 Credits	q1	x	x
⊗ LBIRA2110B	Applied Econometrics	Xavier Draye Frédéric Gaspard Bernadette Govaerts	27.5h +7.5h	3 Credits	q1	x	x
⊗ LDATS2370	Data Management II : SAS ADVANCED PROGRAMMING	Christophe Kabacinski	15h+10h	5 Credits	q2	x	x

○ Moduel 2 (Informatique)

L'étudiant choisit maximum une UE parmi LINFO1101 et LINGE1225. Les cours (LINFO1102 ou LINGE1225) - LEPL1402 - LINFO1121 doivent être suivis dans cet ordre.

Maximum 10 credits

⊗ LINFO1101	Introduction à la programmation	Kim Mens Siegfried Nijssen Charles Pecheur	30h+30h	5 Credits	q1	x	x
⊗ LINGE1225	Programming in Economics and Management	Marco Saerens	22.5h +22.5h	4 Credits	q1	x	x
⊗ LEPL1104	Méthodes numériques	Vincent Legat	30h+30h	5 Credits	q2	x	x
⊗ LEPL1402	Informatique 2	Ramin Sadre Pierre Schaus	30h+30h	5 Credits	q1	x	x
⊗ LINFO1121	Algorithmique et structures de données	Guillaume Derval (compensates Pierre Schaus)	30h+30h	5 Credits	q1	x	x

						Year	
						2	3
⊗ LINMA1702	Optimization models and methods I	François Glineur	30h +22.5h	5 Credits	q2	x	x

COURSE PREREQUISITES

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

For each UCLouvain 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?*"

APPSTAT - Information

Access Requirements

Evaluation

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".

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 informatiques auront un accès direct pour le Master en Data Sciences, orientation statistique.

Contacts

Curriculum Management

Entity	
Structure entity	SST/SC/LSBA
Denomination	(LSBA)
Faculty	Faculty of Science (SC)
Sector	Sciences and Technology (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 https://uclouvain.be/fr/facultes/sc/lsba
Website	
Academic supervisor:	Bernadette Govaerts
Useful Contact(s)	<ul style="list-style-type: none">• Secretary of The Louvain School of Statistics, Biostatistics and Actuarial Sciences: Sophie Malali

