

At Louvain-la-Neuve - 60 credits - 1 year - Day schedule - In French

Dissertation/Graduation Project : **YES** - Internship : **NO**

Activities in English: **YES** - Activities in other languages : **NO**

Activities on other sites : **NO**

Main study domain : **Sciences politiques et sociales**

Organized by: **Faculty of Economic, Social and Political Sciences and Communication (ESPO)**

Programme acronym: **LMQS2MC** - Francophone Certification Framework: 7

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LMQS2MC - Introduction

Introduction

LMQS2MC - Teaching profile

Learning outcomes

On successful completion of this programme, each student is able to :

AA1.

- a.
- b.
- c.

AA2.

- a.
- b.
- c.
- d.
- e.

AA3.

- a.
- b.
- c.

AA4.

- a.
- b.

AA5.

- a.
- b.
- c.

AA6.

- a.
- b.

LMQS2MC Programme

Detailed programme by subject

CORE COURSES [60.0]

- 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 \(objectives, methods, evaluation...\)](#)

● Mémoire (15 credits)

● LLMQS2006	Mémoire		FR [] [15 Credits]
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o Collecte des données, échantillonnage, traitement des bases de données (10 crédits)

○ LDEMO2404	Database management and processing	Christine Schnor	EN [q2] [15h+15h] [4 Credits]
○ LSOC2095	Techniques approfondies d'enquête extensive et de sondage en sociologie : atelier d'exercices		FR [q2] [15h] [2 Credits]
○ LDEMO2402	Méthodologie de collecte de données par enquêtes quantitatives (dont sondage)	Bruno Schoumaker	FR [q2] [30h] [4 Credits]

o Logiciels de traitement statistique (6 crédits)

○ LDEMO2620	Description et inférence statistique de base avec R	Sébastien Van Bellegem	FR [q1] [15h] [3 Credits]
○ LDEMO2630	Description et inférence statistique de base avec Stata	Bruno Schoumaker	FR [q1] [15h] [3 Credits]

o Méthodes d'analyses quantitatives (16 crédits)

○ LDEMO2403	Event history analysis in social sciences	Philippe Bocquier	EN [q1] [35h] [5 Credits]
○ LPSYS2145	Data analysis: prediction patterns	Vincent Yzerbyt	FR [q1] [45h+15h] [6 Credits]
○ LDEMO2047	Méthodes quantitatives en sciences sociales : analyses causales, factorielles et typologies	Bruno Masquelier	FR [q1] [20h+20h] [5 Credits]

o Cours au choix

L'étudiant choisit une orientation:

⌘ Orientation "Statistiques spatiales"

Minimum 13 crédits

○ LGEO1342	Geographical Information Systems (GIS)	Sophie Vanwambeke	FR [q1] [30h+30h] [5 Credits]
○ LGEO2211	Advanced statistical methods in geography	Christian Hafner	FR [q1] [30h+30h] [5 Credits]
⌘ LSTAT2011	Éléments de mathématiques pour la statistique	Catherine Legrand	FR [q1] [15h+15h] [3 Credits]
⌘ LSTAT2030	Statistique et data sciences avec R: Programmation avancée	Anouar El Ghouch	FR [q2] [15h+15h] [4 Credits]
⌘ LDEMO2640	"Big data" : capture et analyse de données massives	Christine Schnor	FR [q2] [20h] [3 Credits]
⌘ LDEMO2650	EU surveys and opinion polls	Ester Lucia Rizzi	FR [q1] [15h+10h] [3 Credits]

⌘ Orientation "Données d'enquêtes et Big Data"

Minimum 13 crédits

○ LDATS2350	Data Mining	Robin Van Oirbeek	EN [q2] [15h+15h] [5 Credits]
○ LDEMO2640	"Big data" : capture et analyse de données massives	Christine Schnor	FR [q2] [20h] [3 Credits]
○ LDEMO2650	EU surveys and opinion polls	Ester Lucia Rizzi	FR [q1] [15h+10h] [3 Credits]
⌘ LSTAT2011	Éléments de mathématiques pour la statistique	Catherine Legrand	FR [q1] [15h+15h] [3 Credits]
⌘ LSTAT2030	Statistique et data sciences avec R: Programmation avancée	Anouar El Ghouch	FR [q2] [15h+15h] [4 Credits]

⌘ Orientation "SAS"

Minimum 13 crédits

○ LDATS2360	Seminar in data management: basic	Céline Bugli	FR [q1] [15h+10h] [5 Credits]
○ LDATS2370	Data Management II : SAS ADVANCED PROGRAMMING	Christophe Kabacinski	FR [q2] [15h+10h] [5 Credits]
⌘ LSTAT2011	Éléments de mathématiques pour la statistique	Catherine Legrand	FR [q1] [15h+15h] [3 Credits]
⌘ LSTAT2030	Statistique et data sciences avec R: Programmation avancée	Anouar El Ghouch	FR [q2] [15h+15h] [4 Credits]
⌘ LDEMO2640	"Big data" : capture et analyse de données massives	Christine Schnor	FR [q2] [20h] [3 Credits]
⌘ LDEMO2650	EU surveys and opinion polls	Ester Lucia Rizzi	FR [q1] [15h+10h] [3 Credits]

⌘ Orientation "Analyse causale et évaluation des politiques publiques"

Minimum 13 crédits

○ LECON2033	Applied econometrics: Microeconometrics	Bertrand Verheyden (compensates Muriel Dejemeppe)	FR [q1] [30h+12h] [5 Credits]
○ LECON2352	Methods for the evaluation of public policies	William Parienté	FR [q1] [30h] [5 Credits]
⌘ LSTAT2011	Éléments de mathématiques pour la statistique	Catherine Legrand	FR [q1] [15h+15h] [3 Credits]
⌘ LSTAT2030	Statistique et data sciences avec R: Programmation avancée	Anouar El Ghouch	FR [q2] [15h+15h] [4 Credits]

⌘ LDEMO2640	"Big data" : capture et analyse de données massives	Christine Schnor	PR [q2] [20h] [3 Credits]
⌘ LDEMO2650	EU surveys and opinion polls	Ester Lucia Rizzi	PR [q1] [15h+10h] [3 Credits]

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.

LMQS2MC - Information

Access Requirements

*In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.
Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.
The admission requirements must be met prior to enrolment in the University.*

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SUMMARY

- [General access requirements](#)

General access requirements

Subject to the general requirements laid down by the academic authorities, admission to the specialized Master's degree programme will be granted to students who fulfil the entry requirements for studies leading to the award of a Master's (second-cycle) degree and who hold a second-cycle diploma, degree, certificate or other qualification issued within or outside the French Community of Belgium, or whose prior learning or experience has been accredited by the Examination Board as being equivalent to at least 300 credits.

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".*

Contacts

Curriculum Management

Entity

Structure entity

Denomination

Faculty

Sector

Acronym

Postal address

SSH/ESPO/PSAD

(PSAD)

Faculty of Economic, Social and Political Sciences and Communication (ESPO)

Human Sciences (SSH)

PSAD

Place Montesquieu 1 - bte L2.08.05

1348 Louvain-la-Neuve

Tel: +32 (0) 10 47 41 09 - Fax: +32 (0) 10 47 27 36

<http://www.uclouvain.be/psad.html>

Website

Academic supervisor: [Bruno Masquelier](https://uclouvain.be/repertoires/bruno.masquelier) (<https://uclouvain.be/repertoires/bruno.masquelier>)

Useful Contact(s)

- Responsable administrative: [Marie Gilot](https://uclouvain.be/repertoires/marie.gilot) (<https://uclouvain.be/repertoires/marie.gilot>)
- Gestionnaire administrative: [Marie Heyen](https://uclouvain.be/repertoires/marie.heyen) (<https://uclouvain.be/repertoires/marie.heyen>)
- Secrétaire du jury: esther.rizzi@uclouvain.be
- Présidente du jury: [Bruno Schoumaker](https://uclouvain.be/repertoires/bruno.schoumaker) (<https://uclouvain.be/repertoires/bruno.schoumaker>)

