

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 2023-2024
- Not offered in 2023-2024 but offered the following year
- ⊕ Offered in 2023-2024 but not the following year
- △ ⊕ Not offered in 2023-2024 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...)

● Mémoire (15 credits)

● LLMQS2006 Mémoire

FR [] [] [15 Credits] 🌐

o Collecte des données, échantillonnage, traitement des bases de données (10 credits)

o LDEMO2404	Database management and processing	Ashira Menashe Oren (compensates Christine Schnor)	EN [q1] [15h+15h] [4 Credits]
o LSOC2095	Techniques approfondies d'enquête extensive et de sondage en sociologie : atelier d'exercices		FR [q2] [15h] [2 Credits]
o LDEMO2402	Méthodologie de collecte de données par enquêtes quantitatives (dont sondage)	Bruno Schoumaker	FR [q2] [30h] [4 Credits]

o Logiciels de traitement statistique (6 credits)

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

o Méthodes d'analyses quantitatives (16 credits)

o LDEMO2403	Event history analysis in social sciences	Philippe Bocquier	EN [q1] [35h] [5 Credits]
o LPSYS2145	Data analysis: prediction patterns	Vincent Yzerbyt	FR [q1] [45h+15h] [6 Credits]
o 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 parmi les suivantes :

⌘ Orientation "Statistiques spatiales"

Minimum 13 credit(s)

o LGEO1342	Geographical Information Systems (GIS)	Sophie Vanwambeke	FR [q1] [30h+30h] [5 Credits]
o 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]
⌘ LDATS2030	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	Julien Boelaert Christine Schnor	FR [q2] [20h] [3 Credits]
⌘ LDEMO2650	EU surveys and opinion polls	Ester Lucia Rizzi	FR [q1] [20h] [3 Credits] > English-friendly

⌘ Orientation "Données d'enquêtes et Big Data"

Minimum 13 credit(s)

o LDATS2350	Data Mining	Robin Van Oirbeek	EN [q2] [15h+15h] [5 Credits]
o LDEMO2640	"Big data" : capture et analyse de données massives	Julien Boelaert Christine Schnor	FR [q2] [20h] [3 Credits]
o LDEMO2650	EU surveys and opinion polls	Ester Lucia Rizzi	FR [q1] [20h] [3 Credits] > English-friendly
⌘ LSTAT2011	Éléments de mathématiques pour la statistique	Catherine Legrand	FR [q1] [15h+15h] [3 Credits]
⌘ LDATS2030	Statistique et data sciences avec R: Programmation avancée	Anouar El Ghouch	FR [q2] [15h+15h] [4 Credits]

⌘ Orientation "SAS"

Minimum 13 credit(s)

o LDATS2360	Seminar in data management: basic	Céline Bugli	FR [q1] [15h+10h] [5 Credits]
o 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]
⌘ LDATS2030	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	Julien Boelaert Christine Schnor	FR [q2] [20h] [3 Credits]
⌘ LDEMO2650	EU surveys and opinion polls	Ester Lucia Rizzi	FR [q1] [20h] [3 Credits] > English-friendly

⌘ Orientation "Analyse causale et évaluation des politiques publiques"

Minimum 13 credit(s)

○ LECON2033	Applied econometrics: Microeconometrics	Bertrand Verheyden (compensates Muriel Dejemepe)	FR [q1] [30h+12h] [5 Credits] 🌐
○ LECON2352	Methods for the evaluation of public policies	Léo Czajka (compensates William Parienté)	FR [q2] [30h] [5 Credits] 🌐
⌘ LSTAT2011	Éléments de mathématiques pour la statistique	Catherine Legrand	FR [q1] [15h+15h] [3 Credits] 🌐
⌘ LDATS2030	Statistique et data sciences avec R: Programmation avancée	Anouar El Ghouch	FR [q2] [15h+15h] [4 Credits] 🌐
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⌘ LDEMO2650	EU surveys and opinion polls	Ester Lucia Rizzi	FR [q1] [20h] [3 Credits] 🌐 > English-friendly

Supplementary classes

To access this Master, students must have a good command of certain subjects. If this is not the case, students must take supplementary classes chosen by the faculty to satisfy course prerequisites.

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

⊗ LPSP1011	Statistics: descriptive analysis of quantitative data	Nathalie Lefèvre	FR [q2] [22.5h] [5 Credits] 🌐
⊗ LPSP1209	Statistics, inference on one or two variables	Eugen Pircalabelu	FR [q1] [22.5h+15h] [5 Credits] 🌐
⊗ LPSP1306	Statistics: descriptive analysis and GLM multivariate data modeling	Aurélie Bertrand Nathalie Lefèvre	FR [q2] [30h+15h] [5 Credits] 🌐
⊗ LCOPS1114	Statistics and Bases of Probability Theory	Marie Delacre Marie Delacre (compensates Rainer von Sachs)	FR [q1] [30h+30h] [5 Credits] 🌐
⊗ LPOLS1221	Quantitative Data Analysis	Jacques Marquet	FR [q1] [25h+20h] [5 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.

Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.

SUMMARY

- [General access requirements](#)

General access requirements

Translated from https://www.gallilex.cfwb.be/fr/leg_res_01.php?ncda=39681&referant=I02

Art. 112. of the "Décret définissant le paysage de l'enseignement supérieur et l'organisation académique des études" :

§ 1. In accordance with the general requirements established by the academic authorities, students who have:

1. a master's degree;
2. an academic degree similar to the one mentioned in the preceding paragraph awarded by a higher education institution in the Flemish Community or the German-speaking Community, or by the Royal Military Academy, by virtue of a decision of the academic authorities and in accordance with any additional requirements they may establish;
3. a foreign academic degree recognised as equivalent to those mentioned in paragraphs 1 and 2 pursuant to this decree, a European directive, an international convention or other legislation, in accordance with the same requirements.

The additional admission requirements referred to in paragraph 2 are intended to ensure that the student has acquired the knowledge and skills required for the studies in question. When the additional admission requirements consist of one or more additional course units, these may not represent more than 60 additional credits for the student, taking into account all the credits that he or she may otherwise use for admission. These course units are part of the student's study programme.

§ 2. In accordance with the general requirements established by the academic authorities, a student who holds a title, diploma, degree or certificate of higher education, in the French Community or outside it, which does not grant him or her eligibility for admission to a specialised master's course by virtue of the preceding paragraph, may nevertheless be admitted by the jury of the course in question, in accordance with the additional requirements that it establishes, if the totality of the higher education that he or she has completed or the expertise that he or she has acquired is valued by the jury to be at least 240 credits.

§ 3. By way of derogation from these general requirements, the academic authorities may also admit to a specialised master's course holders of a title, diploma, degree or certificate awarded outside the French Community which, in that system of origin, grants direct eligibility for postgraduate studies, even if the studies sanctioned by these credentials are not organised into distinct degree courses or within a time period of at least five years.

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

Website

Academic supervisor: Ester Lucia Rizzi

Useful Contact(s)

- Hugues Draelants
- Bruno Schoumaker
- Marie Gilot
- Marie Heyen

SSH/ESPO/PSAD

(PSAD)

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

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PSAD

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

