UCLouvain	llsma2002 2018	Research Methods

10 crédits	60.0 h	Q1

Enseignants	Chevalier Philippe ;Decrop Alain ;El Akremi Assaad ;
Langue d'enseignement	Anglais
Lieu du cours	Louvain-la-Neuve
Acquis d'apprentissage	*La contribution de cette UE au développement et à la maîtrise des compétences et acquis du (des) programme(s) est accessible à la fin de cette fiche, dans la partie « Programmes/formations proposant cette unité d'enseignement (UE) ».*
Modes d'évaluation des acquis des étudiants	**Continuous evaluation** • Date: To be specify later • Type of evaluation: continuous assessment not remediable • Comments: In group/individual, written preparations, reading scientific articles, exercises, etc. **Evaluation week** • Oral: No • Written: No • Unavailability or comments: No **Examination session** • Oral: No • Written: No • Unavailability or comments: individual work at the end of the January session which can be represented in case of failure in the second session.
Méthodes d'enseignement	Methodological and theoretical lectures of teachers, accompanied by empirical studies illustrations, alternate with discussions and applications with participants. Teaching is based on reading of scientific articles and book chapters deemed essential to master qualitative and quantitative research methodologies in Management. Students are expected to summarize and present some of these and to discuss it in groups. The content of this course (for example Quantitative Research Methods) will be adapted to the level of advancement of students in order to follow them in their research projects.
Contenu	**Qualitative Research Methods:** • General characteristics of qualitative approaches • Research design and data collection • Interview Guide and questioning • Analyzing and making sense of data • Data Quality Control • Reflexivity and heterodox approaches • Ethnographic and Visual Approaches **Quantitative Research Methods** • Defining Research Problems and background to quantitative research. • Research designs • Hypothesis Testing (Conceptual) • Type I and Type II Error • Sampling, probability and sampling distributions. • Statistical Power • Description and Measurement: Levels of measurement, normal distribution, reliability, validity, and generalizability. • Surveys: development and variable measurement • Control variables • Common Method Variance: Assessment and remedies • Cross-sectional and longitudinal field studiesExperimental and quasi-experimental research • Multiple regressions: linear regression, nonlinear regression • Bayesian analysis usefulness in research in Management: an introduction • Bootstrapping: an introduction for testing mediation, moderation and moderated mediation • Structural Equation Models: an introduction • Multilevel modeling: an introduction

	Logic and algorithm • Logic, automata and context free languages. • Turing machines. Turing machines build on automata to make it possible to build more elaborate proofs. • Computability and Complexity theory. Does a problem have an answer? Is the problem well formulated? How can we determine a priori the level of difficulty of a problem? • Analysis of algorithms.
Ressources en ligne	Moodle
Bibliographie	See on Moodle
Faculté ou entité en charge:	CLSM

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Crédits	Prérequis	Acquis d'apprentissage
Master [120] en sciences de gestion	GEST2M	10		🔍