Enseignants:
Chevalier Philippe ; El Akremi Assaad ; Decrop Alain ;

Langue d'enseignement:
Anglais

Lieu du cours
Louvain-la-Neuve

Ressources en ligne:
Moodle

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
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Oral: No
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Written: No
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Unavailability or comments: No
Examination session
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Oral: No
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Written: No
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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.

Bibliographie :
See on Moodle

Faculté ou entité en charge:
CLSM
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