

6.0 credits	60.0 h	1q	This biannual course is taught on years 2015-2016, 2017-2018,

Teacher(s) :	Grégoire Jacques ; Lories Guy ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<ul style="list-style-type: none"> - To understand the postulates, concepts and conditions of implementation of the traditional model of measurement (True Theory Score). - To understand the postulates, concepts and conditions of implementation of the Item Response Model (IRM), in particular the model of Rasch. - To master basic procedures of traditional analysis and IRM, including the interpretation of the results. - To understand the postulates, concepts and conditions of implementation of the factorial analysis including confirmatory and the structural models of equations in the problems of measurement. - To master the basic procedures of the factorial analysis and the structural models of equations in these problems.
Aims :	To develop necessary abilities to build a scale of measure in the traditional model of measurement and the model of Rasch. To master the key concepts and statistical tools for the development of a scale of measure, including the factorial analysis and the structural models of equations. <i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i>
Content :	<ul style="list-style-type: none"> - The traditional model of measurement and methods for the selection of items. - The model of Rasch and new methods of selection of items. - Factorial Analysis, structural models of equations The course is composed of lectures, readings of articles, an initiation to the use of software (in particular SPSS, LISREL) and real data analysis by the students themselves. On the basis of a theoretical and methodological framework, the students are invited to be more and more active in the analysis and the interpretation of data.
Other infos :	Evaluation: The evaluation relates to the analyses and interpretations of data using the tools, methods and concepts which the student learned to master during the course.
Cycle and year of study :	> Master [120] in Statistics: General > Master [120] in Education (shift schedule) > Master [120] in Psychology
Faculty or entity in charge:	PSP