

6.0 credits

30.0 h + 15.0 h

Teacher(s) :	Dumay Xavier ; Dumay Xavier (compensates Dupriez Vincent) ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	Having examined descriptive statistics in relation to all the processes in research, the following basic themes are studied : population, the individual, variables, size, frequency distribution, proportions, percentages, growth rate and indicators. The course also deals with techniques for regrouping data into classes, levels of measurement and graphic representation of distribution. It covers tools for central measurement and dispersion as well as the normal law. Different kinds of variables and the relationships between variables are also dealt with. There is special emphasis on finding appropriate data and how to integrate it in an analytical procedure.
Aims :	The course is designed to enable students to <ul style="list-style-type: none"> - gain an introduction to the process of a research project in human sciences - to become familiar with theoretical principles and the practical application of tools in descriptive statistics - to develop skills in processing, interpreting or presenting qualitative data - to give meaning to the data they use or put together. Throughout the course, a critical use of the tools is encouraged. <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 :	This course provides an introduction to the theoretical principles and the practical application of tools in descriptive statistics : study of basic concepts, techniques for regrouping data, levels of measurement, graphic representation of distribution; introduction to tools of central measurement and dispersion, study of different kinds of variables and the relationships between variables; showing the use of data in an analytical procedure.
Other infos :	Assessment : Mastering basic tools in descriptive statistics and being able to use them is a specific assignment; even if the sub-group plays an important role in the learning process, assessment should allow for individual appraisal of skills. Aids : syllabus (or book); transparencies etc. Developing a teaching strategy adapted to adults includes the link between theory and practice, work in sub-groups, training assessment and group and individual work on the appropriateness of material. Illustrations from different fields of adult education and training: continuing education, special education, schools, lifelong learning etc.
Cycle and year of study :	> Preparatory year for Master in Education > Bachelor in Information and Communication > Bachelor in Philosophy > Bachelor in Pharmacy > Bachelor in Psychology and Education: General > Bachelor in Economics and Management > Bachelor in Motor skills : General > Bachelor in Human and Social Sciences > Bachelor in Sociology and Anthropology > Bachelor in Political Sciences: General > Bachelor in Mathematics > Bachelor in Biomedicine > Bachelor in Religious Studies
Faculty or entity in charge:	EDEF