

3.00 credits

22.5 h

Q2

Teacher(s)	Hardwick Robert (coordinator) ;Patris Sophie ;Reychler Gregory ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	Interaction with statistical classes <i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Main themes	<ul style="list-style-type: none"> * Basic notions of scientific methods * Defining research hypotheses * Classical research plans and protocols * Data analysis and presentation, e.g.: <ul style="list-style-type: none"> § Concept of sample, indicators of average and dispersion, interpretation of a level of probability and significance...) § Dependent and independent variables § Notion of distribution normality (parametric and non-parametric tests) § Relations between continuous variables, calculation of correlation and interpretation of correlation coefficients § Construction and interpretation of graphs * Notions of Evidence-Based Medicine (EBM) <ul style="list-style-type: none"> § Ethical considerations § Use of 'ClinicalTrials.gov' § Logistical and organisational issues * Search for library materials, database consultation and construction of a thematic bibliography * Acquisition of basic writing skills (including the use of tools such as Endnote) * Presentation of the research groups related to the FSM
Learning outcomes	At the end of this learning unit, the student is able to :

Faculty or entity in charge	FSM
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Programmes containing this learning unit (UE)

Program title	