

3.0 credits	15.0 h	2q
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Teacher(s) :	Legrand Catherine ;
Language :	Anglais
Place of the course	Louvain-la-Neuve
Main themes :	Topics covered in this course may change from one year to the other depending on research activities and topics of interest in biostatistics but will always be covered both the theoretical and the practical point of view. It may include application of advanced statistical techniques (frailty models, competing risk theory, generalized mixed models,) to specific application in biostatistics or addressed specific issues such as multiplicity testing or flexible design.
Aims :	The objectives of the course are to provide each year a comprehensive exposition of one or more specific topic(s) of special interest in the field of biostatistics. <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 :	Use of frailty models in Biostatistics - Frailty models: Methodology - Discussion of various applications in biostatistics (clinical trials, veterinary sciences, agronomy,)
Other infos :	The main reference for this course will be the book "The Frailty Models" by Luc Duchateau and Paul Janssen (to appear end of 2007, Springer). Pré-requis: STAT2220 Analyse des données de survie.
Cycle and year of study :	> Master [120] in Statistics: Biostatistics > Certificat universitaire en statistique
Faculty or entity in charge:	LSBA