

4.0 credits	15.0 h + 5.0 h	1q
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Teacher(s) :	Legrand Catherine ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<ul style="list-style-type: none"> <li>- Review of generalised linear models</li> <li>- Dispersion models</li> <li>- Linear mixed models.</li> <li>- Generalised linear mixed models.</li> <li>- Autoregressive models.</li> <li>- Marginal models and generalised estimating equations.</li> </ul>
Aims :	<p>This is a second cycle course giving a critical overview of recent scientific developments in the field. It will deal with present extensions of linear and generalised linear models. The considered extensions will be of two types :</p> <ul style="list-style-type: none"> <li>- a explicit modelling of dispersion as a function of available covariates.</li> <li>- a amendment of (generalised) linear models to deal with clustered or longitudinal data.</li> </ul> <p><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></p>
Content :	<ul style="list-style-type: none"> <li>- Review of generalised linear models</li> <li>- Dispersion models</li> <li>- Linear mixed models.</li> <li>- Generalised linear mixed models.</li> <li>- Autoregressive models.</li> <li>- Marginal models and generalised estimating equations.</li> </ul>
Cycle and year of study :	<ul style="list-style-type: none"> <li>&gt; <a href="#">Master [120] in Statistics: General</a></li> <li>&gt; <a href="#">Certificat universitaire en statistique</a></li> </ul>
Faculty or entity in charge:	LSBA