

3.0 credits	15.0 h	2q
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Teacher(s) :	Van Keilegom Ingrid ; von Sachs Rainer ;
Language :	Anglais
Place of the course	Louvain-la-Neuve
Main themes :	The course covers a specific topic of mathematical statistics that may include, e.g., advanced time series methods (spectral analysis, inference for locally stationary processes,), ill-posed inverse problems, advances in functional data analysis,
Aims :	The objectives of the course are to provide each year a comprehensive exposition of a topic in mathematical statistics that is of special interest for current research in this field. <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 :	<p>Contents</p> <p>The contents depend on the special topic selected each year. That topic will be communicated during the first semester to the student secretary.</p> <p>Methods</p> <p>Lectures</p> <p>Take-home readings</p> <p>Oral presentations by students</p>
Other infos :	<p>Pré-requis:</p> <p>Analyse statistique (STAT2030) and ideally a course on nonparametric curve estimation (e.g. STAT2150, STAT3120,)</p> <p>Evaluation:</p> <p>Oral presentations during the semester, and oral or written exam covering the lectures.</p> <p>Support:</p> <p>Transparencies and supplementary literature.</p>
Cycle and year of study :	<p>> Master [120] in Statistics: General</p> <p>> Certificat universitaire en statistique</p>
Faculty or entity in charge:	LSBA