UCL Université catholique de Louvain

LSTAT3130

2015-2016

Special topics in mathematical statistics

3.0 credits	15.0 h	2q

Teacher(s) :	
Language :	Anglais
Place of the course	Louvain-la-Neuve
Prerequisites :	*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.*
Main themes :	The course covers a specific topic of mathematical statistics that may include, e.g., advanced time series meth-ods (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. *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".*
Content :	Contents The contents depend on the special topic selected each year. That topic will be communicated during the first semester to the student secretary. Methods Lectures Take-home readings Oral presentations by students
Other infos :	Pré-requis: Analyse statistique (STAT2030) and ideally a course on nonparametric curve estimation (e.g. STAT2150, STAT3120,) Evaluation: Oral presentations during the semester, and oral or written exam covering the lectures. Support: Transparencies and supplementary literature.
Faculty or entity in charge:	LSBA

Programmes / formations proposant cette unité d'enseignement (UE)

Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
	STAT9CE	3	-	
Master [120] in Statistics: General	STAT2M	3	LANGL1330 **and** LSTAT2040	
	STAT2FC	3	-	