LVETE1262

2016-2017

Biostatistics

| 7.0 credits | 45.0 h + 30.0 h | 1q |

Teacher(s) :	Legrand Catherine ;
Language :	Français
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 :	- Introduction to probability ; discrete (binomiale, multinomial and Poisson) and continuous (normal, chi-square, Student and Fisher-Snedecor) distributions. - Descriptive statistics (measures of location and dispersion, empirical distribution, histograms, graphs, dependence measures and their graphical representations) - Introduction to statistical inference: point estimation, confidence intervals, hypothesis tests ; application to the comparison of means and variances. - ANOVA I and ANOVA II models. - Linear models : linear and multiple regression. - Simple, partial and multiple correlations. - Inference methods for discrete data and contigency tables. - Introduction to the planning of experiments.
Aims :	The goal of that course is to introduce students in veterinary science to the rational use of statistical methods for the analysis of data in their discipline. *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".*
Other infos :	Prerequisites: Basic courses in mathematics (PHY1114 - PHY1115 or equivalent). Evaluation : the evaluation includes a theoretical part and a practical part as well as project. An introduction to a data analysis software will be proposed during the practicals.
Faculty or entity in charge:	VETE

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
	STAT2FC	8	-	🔍
Bachelor in Veterinary Medicine	VETE1BA	7	LPHY1114	🔍