


In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

3 credits

22.0 h + 10.0 h

Q1

Teacher(s)	Draye Xavier (coordinator) ;Govaerts Bernadette ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	Quantitative data analysis methods in bioengineering ' Variance analysis with one and more classification factors, crossed or nested ' Generalised linear models (classification and regression factors) ' Random effect and mixed models ' Least square and maximum likelihood methods ' Analysis of categorical datas
Aims	<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>
Evaluation methods	Due to the COVID-19 crisis, the information in this section is particularly likely to change. Written exam with methodological questions and exercices méthodologiques, case studies, SAS code writing. Allowed material: 20 pages summary (10 pages resto/verso).
Teaching methods	Due to the COVID-19 crisis, the information in this section is particularly likely to change. Course in auditorium Introduction course to data importation in SAS Practical courses prepared by the students, with a test half way during the semester
Content	Cf LBIRA2101.
Inline resources	Moodle
Bibliography	Documentation obligatoire disponible sur Moodle - Transparents de théorie et d'exemples liés au cours - Enoncés d'exercices - Formulaire Documentation facultative disponible sur Moodle - Documentation SAS/STAT (PROC GLM et PROC MIXED)
Other infos	This course can be given in English.
Faculty or entity in charge	AGRO

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Forests and Natural Areas Engineering	BIRF2M	3		
Master [120] in Environmental Bioengineering	BIRE2M	3		