

5.00 credits

30.0 h + 40.0 h

Q2

Teacher(s)	El Ghouch Anouar ;
Language :	French
Place of the course	Louvain-la-Neuve
Prerequisites	To follow this course, it is necessary to master the knowledge and skills developed in the courses LBIO1282 and LBIO1283
Main themes	<p>his course discusses advanced statistical inference methods for the analysis of biological data: generalized linear models. The analysis of variance and simple linear regression models (LBIO1283) will be extended to models including (1) multiple explanatory variables, (2) continuous and discrete explanatory variables, (3) fixed and random explanatory variables, and (4) response variables with non-normal distributions.</p> <p>The practical work will allow a practical implementation using the R software.</p>
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>1 By the end of this course, students will be able to implement the analysis of complex data sets using linear models and to interpret the results with an awareness of the possible limitations to inference posed by the data and/or compliance with the conditions of statistical analysis.</p>
Faculty or entity in charge	BIOL

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Biology	BIOL1BA	5		