



## STATISTICAL ANALYSIS AND ENVIRONMENTAL MODELS

Enrollment year	2018/2019
Academic year	2019/2020
Regulations	DM270
Academic discipline	SECS-S/02 (STATISTICS FOR EXPERIMENTAL AND TECHNOLOGICAL RESEARCH)
Department	DEPARTMENT OF BIOLOGY AND BIOTECHNOLOGY "LAZZARO SPALLANZANI"
Course	EXPERIMENTAL AND APPLIED BIOLOGY
Curriculum	Biologia ambientale e biodiversità
Year of study	2°
Period	1st semester (01/10/2019 - 14/01/2020)
ECTS	6
Lesson hours	48 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	GIGLI BERZOLARI FRANCESCA (titolare) - 6 ECTS
Prerequisites	basic statistic both descriptive and inferential (elementary tests: Student's t and chisquare)
Learning outcomes	=
Course contents	<p>Aim of the course is to provide students with the basic knowledge of some advanced statistical model for the analysis of ambiental data:</p> <ul style="list-style-type: none"><li>- one and two way analysis of variance (also for repeated measure)</li><li>- multiple regression</li><li>- logistic regression</li><li>- Poisson regression</li></ul>
Teaching methods	=

**Reccomended or required  
readings**

MC Whitlock, D Schluter STATISTICAL ANALYSIS OF BIOLOGICAL  
DATA. Zanichelli publisher



written examination



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