

Course offered for the STAT PhD program starting from a.y. 2019/2020

TITLE	<b>Biotechnology and bioinformatics in plants and animal research and their application in agriculture and farming</b>
Lecturer	Tiziana Bachetti (RTDA)
Duration and Credits	2 CFU (8 hours total) 2 hours lessons twice a week
Course description	The course aims at showing new “omics” approaches to unravel the genetic basis of plants and animals physiology and pathology, and their application to improve agriculture and farming. Genomics and transcriptomics techniques applied to plants and animals research will be described, in addition to bioinformatic tools usually used to identify and compare genes and proteins sequences and to predict elements involved in gene expression regulation.
Course organization	Frontal lessons supported by slides
Teaching period	May 2020