



UNIVERSITÀ
degli STUDI
di CATANIA

DEPARTMENT OF BIOMEDICAL AND BIOTECHNOLOGICAL
SCIENCES

Bachelor's Degree in Biotechnology

Academic Year 2020/2021 - 3° Year

TECNICHE DI ALLEVAMENTO ANIMALE APPLICATE ALLE BIOTECNOLOGIE

AGR/17 - 6 CFU - 1° Semester

Teaching Staff

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LEARNING OBJECTIVES

The student acquires knowledge relating to animal production, the classification of livestock production systems, the use of advanced technologies and biotechnologies to enhance biodiversity and to improve the quality of products of animal origin

COURSE STRUCTURE

Lectures

Should teaching be carried out in mixed mode or remotely, it may be necessary to introduce changes with respect to previous statements, in line with the programme planned and outlined in the syllabus.

DETAILED COURSE CONTENT

From domestication to animal production

Livestock systems.

Main breeds and animal production.

Basic knowledge on morpho-bio-physiology of animals in zootechnical production

Biological basis of animal production.

Genetic diseases in livestock.

Elements of animal genetic breeding and introduction to genome analysis techniques.

Analysis of animal biodiversity and safeguard measures.

TEXTBOOK INFORMATION

1 - Bittante G., Andrighetto I., Ramanzin M. Tecniche di Produzione Animale (Liviana Editrice);

2 - Pagnacco G., Genetica Animale, applicazioni zootecniche e veterinarie (Casa Editrice Ambrosiana)
