ALLEGATO 1- Descrizione del percorso formativo per i corsi di studio erogati in lingua inglese

BACHELOR DEGREE COURSE IN **ANIMAL CARE** ***Study programme for students enrolled in the academic year 2025-2026***	
Attendance is compulsory according to the teaching regulations: 60% of frontal activities 60% of practical activities	
1st YEAR	
If the student obtains additional learning requirements (OFA) following the admission test: • in order to take the APPLIED MATHEMATICS AND PHYSISCS exam it is necessary to pass the OFA in Mathematics and the OFA in Physics in advance • in order to take the ANIMAL BIOLOGY AND GENETICS exam it is necessary to pass the OFA in Biology in advance • in order to take the exam of APPLIED CHEMISTRY AND BIOCHEMISTRY it is necessary to pass the OFA in Chemistry in advance	
MANDATORY UNITS	**CREDITS**
BIOETHICS AND LEGISLATION (Integrated Course)	
BIOETHICS (Module A)	**6**
RELEVANT LEGISLATION AND ANIMAL PROTECTION (Module B)	**6**
APPLIED CHEMISTRY AND BIOCHEMISTRY	**11**
APPLIED MATHEMATICS AND PHYSISCS	**12**
ANIMAL BIOLOGY AND GENETICS (Integrated Course)	
GENERAL BIOLOGY (Module A)	**6**
APPLIED ANIMAL GENETICS (Module B)	**6**
COMPARATIVE ANIMAL ANATOMY	**10**
2nd YEAR	
In order to take COMPARATIVE ANIMAL PHYSIOLOGY exam, the student must have passed COMPARATIVE ANIMAL ANATOMY	
MANDATORY UNITS	**CREDITS**
PRINCIPLES OF PREVENTION AND CONTROL OF TRANSMISSIBLE ANIMAL DISEASES	**9**
COMPARATIVE ANIMAL PHYSIOLOGY	**8**
BEHAVIORAL NEUROSCIENCE FOR ANIMAL CARE	**8**

ANIMAL HUSBANDRY AND WELFARE	**6**
BASICS OF ANIMAL NUTRITION AND FEEDING	**6**
GENERAL CONCEPTS IN PHARMACO-TOXICOLOGY	**8**
GENERAL PATHOLOGY AND LABORATORY TECHNIQUES	**6**
COMPARATIVE ANIMAL REPRODUCTION, NEONATOLOGY AND BREEDING TECHNIQUES	**8**
COMUNICATION SKILLS	**2**

The student in the third year will have to choose his/her study plan between three options:

1) WILD AND ZOO ANIMAL (WA) STUDY PLAN
2) ANIMALS IN SCIENTIFIC RESEARCH (SR) STUDY PLAN
3) AQUATIC ANIMAL (AA) STUDY PLAN

3rd YEAR
WILD AND ZOO ANIMAL (WA) STUDY PLAN

In order to take the exams of the 3rd year, the student must have passed the following exams:

- GENERAL PATHOLOGY AND LABORATORY TECHNIQUES
- APPLIED MATHEMATICS AND PHYSISCS

MANDATORY UNITS	CREDITS
COMPARATIVE ECOLOGY AND ETHOLOGY	**10**
WILD AND ZOO ANIMAL CARE IN CLINICAL SETTINGS	**8**
PRINCIPLE OF POST-MORTEM TECHNICS AND TISSUE SAMPLING	**6**
WILD AND ZOO ANIMALS' HUSBANDRY, MANAGEMENT AND WELFARE	**8**

OTHER ACTIVITIES	CREDITS
ADDITIONAL FREE-CHOICE UNITS *The student must include in the Study Plan **12 electives credits (CFU**), freely chosen from all the available courses in the Animal Care degree programme or from other Bachelor degrees programmes in the whole University of Padova, provided that these credits are consistent with the student's study programme.*	**12**
PRACTICAL TRANING (300 hours)	**12**
FINAL DISSERTATION	**6**

3rd YEAR ANIMALS IN SCIENTIFIC RESEARCH (SR) STUDY PLAN	
In order to take the exams of the 3rd year, the student must have passed the following exams: • GENERAL PATHOLOGY AND LABORATORY TECHNIQUES • APPLIED MATHEMATICS AND PHYSISCS	
MANDATORY UNITS	**CREDITS**
ANIMAL CARE IN RESEARCH CLINICAL SETTINGS	**10**
COMPARATIVE PATHOLOGY	**8**
ANIMAL HUSBANDRY, ETHOLOGY AND WELFARE IN SCIENTIFIC RESEARCH	**8**
EXPERIMENTAL DESIGN AND STATISTICAL ANALYSIS IN ANIMAL RESEARCH	**6**

OTHER ACTIVITIES	**CREDITS**
ADDITIONAL FREE-CHOICE UNITS *The student must include in the Study Plan **12 electives credits (CFU)**, freely chosen from all the available courses in the Animal Care degree programme or from other Bachelor degree programmes in the whole University of Padova, provided that these credits are consistent with the student's study programme.*	**12**
PRACTICAL TRANING (300 hours)	**12**
FINAL DISSERTATION	**6**

3rd YEAR AQUATIC ANIMAL (AA) STUDY PLAN	
In order to take the exams of the 3rd year, the student must have passed the following exams: • GENERAL PATHOLOGY AND LABORATORY TECHNIQUES • APPLIED MATHEMATICS AND PHYSISCS	
MANDATORY UNITS	**CREDITS**
AQUATIC ANIMAL CARE IN CLINICAL SETTINGS	**9**
POST-MORTEM INVESTIGATIONS AND BIOMOLECULAR TECHNIQUES APPLIED TO AQUATIC VERTEBRATES	**8**
AQUATIC ANIMAL MANAGEMENT, ECOLOGY AND ETHOLOGY	**9**
EXPERIMENTAL DESIGN AND STATISTICAL ANALYSIS IN ANIMAL RESEARCH	**6**

OTHER ACTIVITIES	CREDITS
ADDITIONAL FREE-CHOICE UNITS *The student must include in the Study Plan **12 electives credits (CFU)**, freely chosen from all the available courses in the Animal Care degree programme or from other Bachelor degree programmes in the whole University of Padova, provided that these credits are consistent with the student's study programme.*	**12**
PRACTICAL TRANING (300 hours)	**12**
FINAL DISSERTATION	**6**