Academic subject: Behavioral modification techniques				
Degree Class: L-38		**Degree Course:** **Animal Science**	**Academic Year:** 2020/2021	
		Kind of class: **Optional**	**Year:** **III**	**Period:** **II**
			ECTS: 2 divided into **ECTS lessons: 1** **ECTS exe/lab/tutor: 1**	

Time management, hours, in–class study hours, out–of–class study hours
　　　　lesson: **10**　　　exe/lab/tutor**: 25**　in–class study: 0　　　out–of–class study: 15

Language: Italian	Compulsory Attendance: yes		
Subject Teacher: Serenella d'Ingeo	**e–mail:** serenella.dingeo@uniba.it	**Office:** Department of Veterinary Medicine Room　　　Floor	**Office days and hours:** Tuesday- Thursday 10.00-12.00 am Monday and Wednesday 3.00-5.00 pm

Prerequisites:
Breeding techniques.
Ethological basis of animal learning.
Students must have taken and passed the Ethological bases of animal learning and Breeding techniques exams. They should have acquired therefore the main principles about the behaviour of domestic species, the intraspecific and human-animal communication methods and the ethological needs of each species.

Educational objectives:
Students are expected to acquire knowledge about the learning processes of domestic animals, as well as the most useful methods for modifying their behaviour.

Expected learning outcomes (according to Dublin Descriptors)	**Knowledge and understanding:** Students are expected to acquire in-depth knowledge about the techniques employed for the behavioural modification of the domestic species as well as a correct scientific ethological terminology. **Applying knowledge and understanding:** Students have to acquired the ability to critically and independently discuss the issues addressed in the teaching program, identifying the cause / effect processes underlying the behaviour of domestic species and the behavioural modification techniques. **Making judgements:** The course provides key elements for an autonomous and critical evaluation of both domestic animal problems and the appropriate behavioural modification techniques to treat them. **Communication:** The course transfers the knowledge of the appropriate use of a scientific and technical language concerning animal ethology and welfare. **Lifelong learning skills:** The course provides specific knowledge about animal ethology and learning processes, which constitute the basis for a systematic and proper evaluation and treatment of animal behavioural problems.

Course program

Learning in domestic animals. Types of learning. Emotions and learning. Motivations and learning. Characteristics of associative learning. Characteristics of instrumental learning.

Practical Lessons: Practical Learning Techniques: Classical Conditioning. Instrumental conditioning. Reinforcements and punishments. Extinction. Clicker training and classic and instrumental conditioning. Shaping. Chaining. Flooding. Sensitization. Systematic desensitization. Counter-conditioning.

Teaching methods:
The lessons will take place in the classroom, using the support of a projector, and will be presented as PowerPoint slideshow.
The practical lessons will take place at the Labdog laboratory of the Section of Animal Physiology and Behaviour of the Department of Veterinary Medicine.

Auxiliary teaching:
White Coat

Assessment methods:
Oral exam. Student have to demonstrate technical and in-depth knowledge of several topics of the course program, using scientific terminology and showing critical skills in analysing the behaviour of domestic animals.

Bibliography:
Per Jensen: The Ethology of Domestic Animals. McGraw-Hill – 2011