



UNIVERSITÀ DEGLI STUDI DI TORINO

ID

VP31\_DIP\_DISAFA

## Visiting Professor Program Academic year 2019/2020

**DEPARTMENT OF AGRICULTURAL, FOREST AND FOOD SCIENCES**

**TEACHING COMMITMENT: 20 hours**

### COURSE TITLE

Comparative physiology of GI tract and feeding behaviour

### TEACHING PERIOD

1st term

### SCIENTIFIC AREA

Animal physiology

### LANGUAGE USED TO TEACH

English

### COURSE SUMMARY

Didactic Units: Species differences in the physiology on nutrition (monogastric, cranial herbivorous, caudal herbivorous); Physiology of hunger; Gastric regulation; Rumen physiology; Pancreas; Liver; Small gut physiology (Absorption of nutrition); Poultry physiology of digestion; feeding behavior of domestic animals (carnivorous, herbivorous, omnivorous) including modes of feeding, rhythmic patterns of eating, and time intervals. Definition of homeostasis, disease and morbid state.

### LEARNING OBJECTIVES

The student will have to show that he/she has acquired basic notion of the physiology of digestive system, but he will also need to understand the causality relation between specific stimuli and the biological processes that work in the maintenance of homeostasis. He/She will also need to have knowledge about feeding behavior development and to understand how environment can influence the behavior of domestic animals. These skills are stimulated by the interaction between lectures and practical activity and further supported by the available learning materials.

The student will be able to comment and discuss critically and independently the data and issues related to the course covered in the scientific literature.

The student will develop learning skills needed to understand the major physiological and ethological mechanisms and apply them in clinical and behavioral studies. The independent learning skills are stimulated ng lectures.

#### **VISITING PROFESSOR PROFILE**

The visiting professor should demonstrate a CV coherent with comparative animal physiology.

#### **CONTACT PERSON AT THE DEPARTMENT**

Prof. Achille Schiavone

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