



## VETE1373 Physiology of Domestic Animals

[135h+30h exercises] 14 credits

This course is taught in the 1st and 2nd semester

**Teacher(s):** Cathy Debier, Isabelle Donnay  
**Language:** French  
**Level:** First cycle

### Aims

Acquisition of competences in domestic animal physiology, in complement to the courses of animal biology, general physiology as well as biochemistry and cellular biology.

Preparation to the courses of animal pathology, obstetrics and nutrition that will take place later on.

### Main themes

The main subjects covered in this course are endocrinology, reproductive physiology, digestive physiology, cardiovascular physiology as well as renal and respiratory physiology.

Part 1 (1q - 9 credits - 90-10) : digestive physiology (36h), endocrinology and reproductive physiology (54h)

Part 2 (2q- 4 credits- 45-20) : cardiovascular, renal and respiratory physiology

### Content and teaching methods

Courses concentrate mainly on domestic mammals (ruminants, pigs, horses, dogs and cats). Other species such as birds and rodents are also addressed. The accent is brought on the importance of the regulation of physiological functions, among others by presenting simple pathological situations.

### Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Pré-requis General physiology, Biochemistry and Animal Cellular Biology.

Evaluation

Part 1 : oral examination with written preparation or written examination. Part 2 : June session : oral examination with written preparation. The student will be questioned regarding his/her ability to integrate the notions that have been covered in the different parts of the course and to use the concepts that have been treated in different case studies (physiology and pathology). Support Power point slides (available on i-campus) as well as reference textbook(s).

Encadrement vol1 : Two associate professors (one for digestive physiology and one for the other parts). Volume 2 : professors + teaching assistant(s).