

Course:	M547 - Veterinary Nursing in Small Animals Master
Degree:	Master
Curriculum Unit:	4001007 - Nutrition and Dietetics in Small Animals
Scientific field:	Veterinary Sciences
ECTS^(*):	4
Curriculum year:	1st
Curriculum semester:	2nd
Frequency Regime:	Semestrial
Teacher(s):	Catarina Manuela Almeida Coelho Ana Cristina Mega Pais de Andrade
Contact hours ^(**):	TP-15; TO-20
Total work time (hours):	100

(*) - ECTS - European Credit Transfer and Accumulation System

(**) – T- Theoretical; TP- Theoretical/Practical; LP- Lab Practice; S- Seminars; I- Internships; TU - Tutorials; TO – Tutorial Orientation; O- Other (Evaluations)

Objectives / Competences

To understand the concept of energy and protein needs, as well as the variation of nutritional needs in the life stages of the animal.

Calculate the quantities of food to be administered, according to their physiological state, using the query tables of needs and food composition tables.

Evaluate the nutritional status of the animals and classify their body condition.

To be able to transmit the rules of nutritional and food management of pets.

Establish a food plan that includes the type and amount of food supplied and the frequency of administration.

To know the preventive function of some nutrients.

To relate the pathogenesis of common clinical procedures with the appropriate composition of the food supply.

To identify the situations in where it becomes necessary to take non-voluntary food, To know the techniques of administration food by enteric and parenteric means to a critical animal.

Syllabus

Physiological nutritional needs in growing, adult and aged animals. Assessment and monitoring of body condition in the dog and cat: Filling record sheets.

Obesity prevention and control.

Feed the ill dog and cat: feeding of patients with diseases of the digestive system, feeding of patients with disorders of the urinary tract, feeding of patients with locomotion diseases, feeding of patients with diseases of the cardiovascular system, feeding of patients with pathologies of the nervous system, feeding of diabetic patients, feeding patients with cancer, major food-borne allergens.

Feed management techniques: voluntary intake of food, administration of enteric and parenteric feed. Food plans: case studies, the importance of interaction with the pet owner.

Teaching methodologies and evaluation criteria

In the 15 hours of theoretical-practical classes, the definitions of nutritional needs, and characterization of the nutritional and feeding management of the different physiological and pathological situations described in the syllabus will be addressed. It will also carry out applied tasks, which include the evaluation of the body condition of dogs and cats; determination of energy and protein requirements in dogs and cats; calculations of enteric and parenteral food administrations in clinical settings and case studies, with presentation of real clinical cases and presentation of food plans. The assessment will consist of an individual work of bibliographic research on one of the topics covered in the classes.

Short bibliography

- Ackerman, N. (2008). Companion animal nutrition. Elsevier. 223 pp.
- Chandler M. (2012). Critical patients: Nutritional management in cats and dogs. Vet times. <http://www.vettimes>.
- Grandjean, D. (2006). Tudo o que deve saber sobre o papel dos nutrientes para a saúde dos cães e dos gatos. Royal Canin. 96 pp.
- Linder, D. (2014). How to implement and manage a weight loss plan. The Veterinary Nurse 5 (4): 216 - 219.
- Lumbis, R. (2014). Nutritional calculations: a guide for the veterinary healthcare team. The Veterinary Nurse 5 (8): 424-433.
- Pibot P., Biourge V. and Elliott D.A. (2008). Encyclopedia of Feline Clinical Nutrition. Royal Canin. 518 pp.
- Pibot P., Biourge V. and Elliott D.A. (2006). Encyclopedia of Canine Clinical Nutrition. Royal Canin. 486 pp.
- Woolf, K. (2014). Obesity: understanding the risks and running successful weight clinics. The Veterinary Nurse 5 (10): 566-571.
- WSAVA (2013). Feeding Guide for Hospitalized Dogs and Cats. World Small Animal Veterinary Association.