

The Hebrew University of Jerusalem

Syllabus

COMPANION ANIMAL NUTRITION - 65704

Last update 04-09-2024

HU Credits: 2

Degree/Cycle: 2nd degree (Master)

Responsible Department: Veterinary Medicine

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Rehovot

Course/Module Coordinator: Dr. David Rosenblatt

Coordinator Email: david.rosenblatt@mxns.com

Coordinator Office Hours: telephone appointment

Teaching Staff:

Dr. David Rosenblatt,
Dr. Sharon Kuzi,
Dr. Amos Tatz

Course/Module description:

The building blocks of feed: protein, carbohydrates, fats, minerals and vitamins.
Energy: calculating content and requirements. Proximate analysis.
Standard requirements, regulatory issues, labeling.
Types of food, categories, typical usage.
Ingredients. Dry food technology: extrusion. Palatability, feeding trials.
Dry Food Manufacturing. Visit to a petfood plant, guided tour. Basics in equine nutrition.
Introduction to Clinical Nutrition, Feeding regimes, Requirements in gestation, lactation and growth

Course/Module aims:

Become familiar with, learn and understand the nutritional needs of dogs, cats and horses

Learning outcomes - On successful completion of this module, students should be able to:

Differentiate between nutritional need of cats and dogs
Recognize regulations for food
Teach methods of pet feeding
Recommend and assist in choosing appropriate pet food

Attendance requirements(%):

50

Teaching arrangement and method of instruction: Lectures and exercises on selected topics

Course/Module Content:

Basic nutrition, equine nutrition, Introduction to Clinical nutrition

Required Reading:

none

Additional Reading Material:

1. *Small Animal Clinical Nutrition*, Hand, Thatcher, Remillard & Roudebush, 4th Edition
2. *Petfood Technology*, Kvamme & Phillips, 1st Edition

Grading Scheme:

Written Exam % 100

Additional information:

The sessions will be recorded and the recordings will be made available at the end of each session. Recordings are for refreshing the material and are not intended to be a substitute for attendance, unless the student was forced to miss class due to unavoidable circumstances.