Companion Animal Nutrition Science Training Course

Professional Development Training Course Outline

Category	Veterinary and Animal Science	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Companion Animal Nutrition Science is at the forefront of pet health and wellness, addressing the growing demand for evidence-based dietary strategies for dogs, cats, and other companion animals. Companion Animal Nutrition Science Training Course empowers professionals, pet owners, and animal care specialists to understand the latest advancements in nutrition science, functional ingredients, and therapeutic diets. Participants will gain practical insights into formulating nutritionally balanced diets, evaluating pet food labels, and applying nutrition science to optimize animal health, longevity, and wellbeing.

As the pet industry evolves, nutrition plays a pivotal role in disease prevention, weight management, and behavioral health. This comprehensive training blends scientific theory with real-world case studies, providing a hands-on approach to dietary planning, nutrient profiling, and supplement integration. By mastering companion animal nutrition, participants will be equipped to make informed decisions that enhance the quality of life of pets and meet the rising standards of pet care innovation.

Programme Curriculum

Companion Animal Nutrition Science Training Course

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Course Duration

5 days

Course Objectives

1. Understand the fundamentals of companion animal nutrition and physiology
2. Analyze macronutrients and micronutrients essential for pets
3. Apply evidence-based dietary strategies for disease prevention
4. Develop customized nutrition plans for different life stages
5. Evaluate commercial pet food and supplement quality
6. Implement weight management and obesity prevention programs
7. Explore functional ingredients for enhanced immunity and gut health
8. Study nutritional interventions for common companion animal diseases
9. Integrate nutrigenomics and precision nutrition in pet care
10. Assess the impact of nutrition on behavior and cognitive function
11. Conduct diet formulation and feed trials effectively
12. Use case studies to solve real-world nutritional challenges
13. Stay updated on regulatory guidelines, pet trends, and emerging research

Target Audience

1. Veterinarians and veterinary technicians
2. Animal nutritionists and dietitians
3. Pet food industry professionals
4. Animal welfare and shelter managers
5. Veterinary students and researchers
6. Pet owners seeking advanced nutrition knowledge
7. Pet grooming and daycare professionals
8. Animal health consultants

Course Modules

Module 1: Fundamentals of Companion Animal Nutrition

- Overview of canine and feline physiology
- Nutrient requirements across life stages
- Digestive system and nutrient absorption
- Role of macronutrients and micronutrients
- Case study: Comparative nutrition analysis of commercial diets

Module 2: Pet Food Science & Formulation

- Types of pet foods: dry, wet, raw, and hybrid diets
- Ingredient sourcing and quality evaluation
- Nutrient density and bioavailability

- Pet food labeling interpretation
- Case study: Formulating a balanced commercial dog diet

Module 3: Nutritional Assessment & Diagnostics

- Body condition scoring and weight monitoring
- Laboratory analysis of blood and urine markers
- Evaluating nutrient deficiencies and excesses
- Clinical signs of malnutrition
- Case study: Nutrition assessment in aging cats

Module 4: Therapeutic & Clinical Nutrition

- Diets for renal, hepatic, and gastrointestinal disorders
- Nutritional management of diabetes and obesity
- Role of supplements and functional foods
- Tailoring diets for chronic diseases
- Case study: Clinical nutrition intervention for diabetic dogs

Module 5: Life Stage Nutrition

- Puppy/kitten, adult, and senior dietary needs
- Pregnancy and lactation nutrition strategies
- Growth monitoring and nutrient adjustments
- Life stage-specific supplementation
- Case study: Formulating senior cat diets for kidney health

Module 6: Nutrigenomics & Precision Nutrition

- Gene-diet interactions in pets
- Personalized dietary strategies
- Advances in molecular nutrition research
- Predicting metabolic responses
- Case study: Personalized nutrition plan for at-risk breeds

Module 7: Behavior & Cognitive Nutrition

- Impact of diet on learning and behavior
- Nutrients supporting cognitive function
- Anxiety, aggression, and diet correlations
- Role of antioxidants and omega fatty acids
- Case study: Nutrition-based intervention for canine anxiety

Module 8: Industry Trends, Regulations & Innovations

- Pet food labeling and compliance
- Emerging functional ingredients
- Sustainable and alternative protein sources
- Market trends and consumer preferences
- Case study: Launching a premium functional pet food

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com