# Parasitology in Veterinary Practice 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

Parasitology in Veterinary Practice is an essential discipline for veterinary professionals aiming to safeguard animal health, enhance livestock productivity, and prevent zoonotic disease transmission. Parasitology in Veterinary Practice Training Course offers in-depth knowledge on parasite identification, life cycles, pathogenesis, and modern control strategies using cutting-edge diagnostic and therapeutic techniques. Participants will gain practical skills to detect, manage, and prevent parasitic infections, leveraging evidence-based approaches, molecular diagnostics, and integrated parasite management. The course emphasizes hands-on clinical application, ensuring veterinarians, veterinary technicians, and animal health specialists are equipped to tackle real-world parasitological challenges efficiently.

With a focus on emerging trends and global best practices, this training addresses the latest developments in anthelmintic resistance, vector-borne diseases, and novel parasitic control methods. Attendees will explore the interface between veterinary parasitology and public health, including zoonotic risk mitigation. Through interactive sessions, case-based learning, and laboratory exercises, participants will strengthen their expertise in parasite surveillance, treatment protocols, and sustainable preventive strategies, positioning them as leaders in modern veterinary parasitology.

## Programme Curriculum

**Parasitology in Veterinary Practice Training Course**

**Introduction**

Parasitology in Veterinary Practice is an essential discipline for veterinary professionals aiming to safeguard animal health, enhance livestock productivity, and prevent zoonotic disease transmission. Parasitology in Veterinary Practice Training Course offers in-depth knowledge on parasite identification, life cycles, pathogenesis, and modern control strategies using cutting-edge diagnostic and therapeutic techniques.

Participants will gain practical skills to detect, manage, and prevent parasitic infections, leveraging evidence-based approaches, molecular diagnostics, and integrated parasite management. The course emphasizes hands-on clinical application, ensuring veterinarians, veterinary technicians, and animal health specialists are equipped to tackle real-world parasitological challenges efficiently.

With a focus on emerging trends and global best practices, this training addresses the latest developments in anthelmintic resistance, vector-borne diseases, and novel parasitic control methods. Attendees will explore the interface between veterinary parasitology and public health, including zoonotic risk mitigation. Through interactive sessions, case-based learning, and laboratory exercises, participants will strengthen their expertise in parasite surveillance, treatment protocols, and sustainable preventive strategies, positioning them as leaders in modern veterinary parasitology.

**Course Duration**

5 days

**Course Objectives**

1. Understand parasite taxonomy, morphology, and life cycles.
2. Identify common protozoan, helminth, and ectoparasite infections in animals.
3. Apply advanced diagnostic techniques including PCR, ELISA, and fecal analysis.
4. Evaluate host-parasite interactions and pathogenesis.
5. Develop evidence-based treatment protocols for domestic and livestock animals.
6. Manage anthelmintic resistance and implement integrated parasite control strategies.
7. Explore zoonotic parasitic risks and preventive measures for human health.
8. Incorporate vector-borne disease management in veterinary practice.
9. Conduct epidemiological surveillance and risk assessment in animal populations.
10. Apply molecular and serological tools for parasite detection.
11. Utilize case studies to solve real-world parasitology challenges.
12. Integrate sustainable and eco-friendly parasite control methods.
13. Enhance clinical decision-making skills for preventive and therapeutic interventions.

**Target Audience**

1. Veterinarians in clinical practice
2. Veterinary technicians and assistants
3. Livestock and poultry health specialists
4. Veterinary parasitology researchers
5. Animal health consultants
6. Public health professionals focused on zoonoses
7. Veterinary students and interns
8. Wildlife and exotic animal practitioners

**Course Modules**

**Module 1: Introduction to Veterinary Parasitology**

- Overview of parasites affecting domestic and farm animals
- Parasite classification: protozoa, helminths, ectoparasites
- Host-parasite interactions and life cycles
- Pathogenesis and clinical signs of infections

- Case Study: Helminthiasis outbreak in dairy cattle

**Module 2: Diagnostic Techniques in Parasitology**

- Microscopic fecal analysis and flotation techniques
- Blood smear examination for protozoan parasites
- ELISA, PCR, and serological diagnostics
- Sample collection and preservation protocols
- Case Study: Molecular diagnosis of canine giardiasis

**Module 3: Helminth Parasites and Control Strategies**

- Nematodes, trematodes, and cestodes in livestock and pets
- Anthelmintic drugs: selection, dosing, and rotation
- Resistance detection and management strategies
- Pasture and environmental control measures
- Case Study: Anthelmintic resistance in small ruminants

**Module 4: Protozoan Parasites and Clinical Management**

- Coccidiosis, giardiasis, toxoplasmosis, and babesiosis
- Clinical signs, diagnosis, and treatment protocols
- Zoonotic implications and human health considerations
- Prevention strategies in livestock and companion animals
- Case Study: Toxoplasmosis outbreak in a cat shelter

**Module 5: Ectoparasites: Identification and Treatment**

- Fleas, ticks, mites, and lice in animals
- Integrated pest management (IPM) techniques
- Topical and systemic treatment protocols
- Environmental and husbandry considerations
- Case Study: Tick infestation in a sheep farm

**Module 6: Vector-Borne Parasitic Diseases**

- Heartworm, leishmaniasis, and filarial infections
- Vector ecology and transmission dynamics
- Prevention through vaccination and vector control
- Monitoring and surveillance programs
- Case Study: Heartworm management in dogs

**Module 7: Epidemiology and Zoonotic Parasites**

- Epidemiological tools and risk assessment
- Surveillance of emerging parasitic diseases
- Public health implications and biosecurity measures
- Data-driven strategies for parasite control
- Case Study: Zoonotic giardiasis in a rural community

**Module 8: Advanced Case Studies and Clinical Application**

- Multi-parasite co-infection scenarios

- Decision-making for complicated clinical cases
- Development of integrated parasite management plans
- Hands-on laboratory exercises and simulations
- Case Study: Co-infection management in a mixed-species farm

### 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 |
| **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