Large Animal Veterinary Techniques 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

Large Animal Veterinary Techniques Training Course is a designed to equip veterinary professionals with advanced clinical expertise in large animal medicine, livestock healthcare management, surgical proficiency, and herd health optimization. With the rapid evolution of precision livestock farming, digital diagnostics, biosecurity protocols, and sustainable animal production systems, this course delivers industry-aligned training that integrates evidence-based veterinary practices with cutting-edge technologies. Participants gain practical exposure to bovine, equine, ovine, and caprine clinical procedures, strengthening competencies in disease prevention, reproductive management, emergency response, and field-based surgical interventions.

As global demand for food security, zoonotic disease control, animal welfare compliance, and sustainable agriculture increases, skilled large animal veterinary professionals are more essential than ever. This training emphasizes clinical decision-making, epidemiology, herd productivity analytics, regulatory compliance, and veterinary practice management, preparing learners for real-world challenges in commercial farms, rural veterinary services, and livestock enterprises. Through immersive simulations, live demonstrations, and field-based case studies, the course ensures mastery of both foundational and advanced large animal veterinary techniques.

Programme Curriculum

Large Animal Veterinary Techniques Training Course

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Course Duration

5 days

Course Objectives

1. Develop expertise in Advanced Large Animal Clinical Examination Techniques.
2. Master Bovine Reproductive Management and Artificial Insemination (AI) Technologies.
3. Implement Precision Livestock Farming and Digital Herd Monitoring Systems.
4. Strengthen skills in Large Animal Surgical Procedures and Field Anesthesia Protocols.
5. Apply Evidence-Based Veterinary Medicine (EBVM) in livestock healthcare.
6. Enhance competency in Zoonotic Disease Prevention and Biosecurity Management.
7. Utilize Ultrasonography and Portable Diagnostic Imaging Technologies.
8. Optimize Herd Health Management and Livestock Productivity Analytics.
9. Improve Emergency and Critical Care Management in Large Animals.
10. Integrate Sustainable Livestock Production and Animal Welfare Standards.
11. Manage Parasitology Control Programs and Antimicrobial Stewardship.
12. Apply Veterinary Practice Management and Farm Consultancy Skills.
13. Strengthen knowledge in Regulatory Compliance, Food Safety, and One Health Approach.

Target Audience

1. Veterinary Graduates specializing in **Large Animal Medicine**
2. Rural and Livestock Veterinary Practitioners
3. Veterinary Technicians and Para-veterinary Professionals
4. Livestock Farm Managers and Dairy Consultants
5. Animal Health Inspectors and Biosecurity Officers
6. Veterinary Postgraduate Students (Theriogenology, Surgery, Epidemiology)
7. Government Veterinary Officers
8. NGO Professionals working in **Animal Health & Food Security Programs**

Course Modules

Module 1: Advanced Large Animal Clinical Examination

- Systematic Physical Examination of Cattle and Horses
- Clinical Diagnostics & Differential Diagnosis

- Lameness Evaluation Techniques
- Body Condition Scoring & Productivity Indicators
- Field Case Documentation
- **Case Study:** Clinical management of lameness outbreak in a 500-head dairy herd using structured diagnostic workflow.

Module 2: Reproductive Technologies & Herd Fertility

- Estrus Detection & Synchronization Protocols
- Artificial Insemination (AI) Techniques
- Pregnancy Diagnosis via Ultrasonography
- Infertility Investigation
- Calving Management & Dystocia Handling
- **Case Study:** Improving conception rates from 40% to 65% in a commercial dairy farm using synchronization and AI optimization.

Module 3: Large Animal Surgery & Anesthesia

- Field Surgical Setup & Sterility Protocols
- Rumenotomy & Caesarean Section
- Local & Regional Anesthesia Techniques
- Post-operative Care & Pain Management
- Surgical Complication Management
- **Case Study:** Emergency C-section intervention in bovine dystocia under field conditions.

Module 4: Diagnostic Imaging & Laboratory Techniques

- Portable Ultrasound Applications
- Hematology & Biochemical Profiling
- Fecal Examination & Parasitology
- Milk Quality Testing & Mastitis Screening
- Digital Record-Keeping Systems
- **Case Study:** Early mastitis detection program reducing somatic cell count by 30%.

Module 5: Herd Health & Preventive Medicine

- Vaccination Program Design
- Biosecurity Risk Assessment
- Disease Surveillance & Epidemiology
- Antimicrobial Stewardship Programs
- Nutritional Management Strategies
- **Case Study:** Biosecurity restructuring to control Foot-and-Mouth Disease outbreak.

Module 6: Emergency & Critical Care

- Trauma and Fracture Stabilization
- Toxicology & Poisoning Management
- Fluid Therapy & Shock Management
- Neonatal Care Protocols
- Emergency Farm Response Planning
- **Case Study:** Rapid response management of acute nitrate toxicity in cattle.

Module 7: Sustainable Livestock & Animal Welfare

- Welfare Assessment Frameworks
- Sustainable Feeding Systems
- Climate-Smart Livestock Practices
- Ethical Handling & Transport
- Compliance with International Standards
- **Case Study:** Implementing welfare auditing to enhance export compliance standards.

Module 8: Veterinary Practice Management & Farm Consultancy

- Farm Data Analytics & KPI Monitoring
- Client Communication & Advisory Skills
- Cost-Benefit Analysis in Herd Health
- Regulatory Documentation & Certification
- Digital Marketing for Veterinary Services
- **Case Study:** Increasing farm profitability by 20% through herd health analytics and strategic consultancy.

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