Training Course on Veterinary Public Health and Zoonotic Disease Control

Professional Development Training Course Outline

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

Course Introduction

Veterinary Public Health and Zoonotic Disease Control is a vital discipline addressing the intersection between human health, animal health, and environmental ecosystems. Training Course on Veterinary Public Health and Zoonotic Disease Control is designed to equip professionals and stakeholders with the knowledge, tools, and best practices needed to prevent, detect, and manage zoonotic diseases that pose increasing global health threats. With rising incidences of diseases like COVID-19, avian influenza, rabies, brucellosis, and anthrax, there is an urgent need for integrated and One Health-focused strategies to reduce risk and promote resilience across human-animal-environment interfaces.

This course promotes cross-sector collaboration between veterinarians, public health officials, researchers, environmental scientists, and policymakers. Participants will gain insight into emerging zoonoses, epidemiological surveillance, outbreak response, food safety, animal welfare, biosecurity, and sustainable livestock practices. Through hands-on case studies, practical simulations, and digital tools, learners will strengthen their capacity to implement evidence-based interventions and public health policies that safeguard both people and animals.

Programme Curriculum

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Training Objectives

1. Understand the concept and scope of veterinary public health in the One Health context.
2. Identify common and emerging zoonotic diseases and their transmission pathways.
3. Apply outbreak investigation methods using modern epidemiological tools.
4. Implement effective disease surveillance and early warning systems.
5. Promote food safety practices in animal-sourced food supply chains.
6. Develop biosecurity and infection control plans for farms and veterinary facilities.
7. Integrate environmental health into zoonotic disease prevention strategies.
8. Interpret veterinary public health legislation and international health regulations.
9. Analyze case studies of zoonotic outbreaks and derive actionable lessons.
10. Engage in community-based public health campaigns for behavior change.
11. Utilize digital health tools and GIS mapping for disease monitoring.
12. Strengthen cross-sector collaboration through inter-professional communication.
13. Design risk communication strategies for public and stakeholder engagement.

Target Audiences

1. Government veterinarians and public health officers
2. Animal health researchers and scientists
3. Environmental health and sanitation professionals
4. Agricultural extension officers and livestock managers
5. Medical doctors and infectious disease experts
6. Wildlife and conservation officers
7. Veterinary and public health students
8. Policy makers and international development practitioners

Course Duration: 5 days

Course Modules

Module 1: Introduction to Veterinary Public Health and Zoonotic Diseases

- Overview of One Health and VPH
- Classification of zoonotic diseases
- Global burden and emerging threats
- Importance of surveillance and early detection
- Roles and responsibilities of stakeholders
- **Case Study**: COVID-19 and its zoonotic origin

Module 2: Epidemiology and Disease Surveillance

- Basic epidemiological principles
- Surveillance systems and tools
- Data collection and analysis methods
- Reporting and early warning protocols
- Risk-based surveillance planning
- **Case Study**: Brucellosis outbreak in East Africa

Module 3: Biosecurity and Infection Control

- Biosecurity principles in animal facilities
- Personal protective equipment (PPE) use
- Disinfection and containment measures
- Farm-level biosecurity auditing
- AMR and infection control
- **Case Study**: Avian influenza containment in poultry farms

Module 4: Food Safety and Zoonoses

- Foodborne zoonotic pathogens
- Meat, milk, and egg hygiene
- Cold chain and storage practices
- Slaughterhouse sanitation and inspection
- HACCP implementation in food processing
- **Case Study**: Salmonella outbreak in processed meats

Module 5: Environmental Health and Vector Control

- Linkages between environment and zoonoses
- Vector ecology and control methods
- Waste management in animal production
- Waterborne zoonotic infections
- Environmental surveillance tools
- **Case Study**: Leptospirosis from floodwaters in urban slums

Module 6: Legislation, Policy, and International Regulations

- National veterinary public health laws
- Animal and human health policy integration
- OIE and WHO international health regulations
- Legal frameworks for outbreak control
- Cross-border animal disease regulations
- **Case Study**: Rabies eradication legal framework in Latin America

Module 7: Risk Communication and Community Engagement

- Principles of public risk communication
- Designing culturally appropriate messages
- Media and social network strategies
- Stakeholder analysis and engagement
- Behavioral change communication (BCC) models
- **Case Study**: Ebola risk communication in West Africa

Module 8: Technological Innovations and the Future of VPH

- Role of AI and digital platforms in disease monitoring
- Use of mobile apps in field surveillance
- GIS and remote sensing in disease mapping
- Lab diagnostics and portable testing tools
- Future challenges and innovation trends
- **Case Study**: Digital monitoring of Rift Valley Fever in Kenya

Training Methodology

- Interactive lectures and PowerPoint presentations

- Group work and participatory discussions
- Real-world case studies and simulations
- Practical sessions with hands-on tools
- Multimedia content including video demonstrations
- Expert guest lectures and panel discussions

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
16 Nov 2026	20 Nov 2026	Online	$1,000
16 Nov 2026	20 Nov 2026	Physical	$1,500
16 Nov 2026	20 Nov 2026	Physical	$3,000
16 Nov 2026	20 Nov 2026	Physical	$3,000
16 Nov 2026	20 Nov 2026	Physical	$6,000
16 Nov 2026	20 Nov 2026	Physical	$4,500

Start Date	End Date	Location	Price
16 Nov 2026	20 Nov 2026	Physical	$6,000
16 Nov 2026	20 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