Tropical Diseases Control Training Course

Professional Development Training Course Outline

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

Course Introduction

Tropical Diseases Control Training Course is designed to strengthen the capacity of healthcare professionals, public health practitioners, researchers, NGOs, and policymakers in the prevention, surveillance, diagnosis, outbreak response, and sustainable control of tropical and neglected tropical diseases (NTDs). The course integrates epidemiology, disease surveillance, vector control, climate-sensitive health systems, One Health strategies, digital health technologies, and emergency preparedness to address emerging and re-emerging infectious diseases affecting tropical populations.

This intensive program equips participants with practical competencies in malaria control, dengue prevention, zoonotic disease management, outbreak investigation, antimicrobial resistance (AMR), GIS disease mapping, health data analytics, WASH interventions, vaccination campaigns, and community health engagement. Through real-world case studies, simulations, and evidence-based learning, participants gain advanced skills required to support universal health coverage (UHC), global health security, sustainable disease elimination programs, and resilient healthcare systems in tropical settings.

Programme Curriculum

Tropical Diseases Control Training Course

Introduction

Tropical Diseases Control Training Course is designed to strengthen the capacity of healthcare professionals, public health practitioners, researchers, NGOs, and policymakers in the prevention, surveillance, diagnosis, outbreak response, and sustainable control of tropical and neglected tropical diseases (NTDs). The course integrates epidemiology, disease surveillance, vector control, climate-sensitive health systems, One Health strategies, digital health technologies, and emergency preparedness to address emerging and re-emerging infectious diseases affecting tropical populations.

This intensive program equips participants with practical competencies in malaria control, dengue prevention, zoonotic disease management, outbreak investigation, antimicrobial resistance (AMR), GIS disease mapping, health data analytics, WASH interventions, vaccination campaigns, and community health engagement. Through real-world case studies, simulations, and evidence-based learning, participants gain advanced skills required to support universal health coverage (UHC), global health security, sustainable disease elimination programs, and resilient healthcare systems in tropical settings.

Course Duration

5 days

Course Objectives

By the end of the training, participants will be able to:

1. Understand the epidemiology of tropical and neglected tropical diseases (NTDs).
2. Apply advanced disease surveillance and outbreak investigation techniques.
3. Strengthen vector-borne disease prevention and integrated vector management (IVM).
4. Utilize digital health tools, GIS mapping, and health informatics for disease monitoring.
5. Implement effective infection prevention and control (IPC) strategies.
6. Design community-based health promotion and risk communication campaigns.
7. Analyze the impact of climate change and environmental health risks on tropical diseases.
8. Develop sustainable One Health approaches linking human, animal, and environmental health.
9. Improve laboratory diagnostics and rapid response systems for infectious diseases.
10. Support vaccination programs and immunization strategies in endemic regions.
11. Address antimicrobial resistance (AMR) and emerging infectious disease threats.
12. Enhance public health emergency preparedness and humanitarian response.
13. Develop evidence-based disease control policies, monitoring, and evaluation frameworks.

Target Audience

1. Public Health Officers
2. Medical Doctors and Clinicians
3. Nurses and Community Health Workers
4. Epidemiologists and Researchers
5. NGO and Humanitarian Professionals
6. Environmental Health Officers
7. Laboratory Scientists and Technicians
8. Health Policy Makers and Program Managers

Course Modules

Module 1: Introduction to Tropical Diseases

- Overview of tropical and neglected tropical diseases
- Global disease burden and public health impact
- Emerging and re-emerging infectious diseases
- Socioeconomic determinants of disease transmission
- International health regulations and global health security
- **Case Study:** Malaria elimination strategies in sub-Saharan Africa.

Module 2: Epidemiology and Disease Surveillance

- Principles of epidemiology
- Disease surveillance systems and reporting tools
- Outbreak investigation procedures
- Data collection, analysis, and interpretation
- Early warning systems and predictive analytics
- **Case Study:** Ebola outbreak surveillance and response in West Africa.

Module 3: Vector Control and Environmental Health

- Mosquito and vector biology
- Integrated Vector Management (IVM)
- Insecticide resistance monitoring
- Water, sanitation, and hygiene (WASH) interventions
- Climate change and vector distribution
- **Case Study:** Dengue vector control interventions in Southeast Asia.

Module 4: Laboratory Diagnosis and Case Management

- Diagnostic methods for tropical diseases
- Rapid diagnostic tests (RDTs) and molecular diagnostics
- Clinical management protocols
- Infection prevention and control (IPC)
- Antimicrobial resistance management
- **Case Study:** Cholera diagnosis and treatment during humanitarian emergencies.

Module 5: Community Health and Risk Communication

- Community engagement strategies
- Behavioral change communication
- Health education and promotion campaigns
- Risk communication during outbreaks
- Social mobilization and stakeholder coordination
- **Case Study:** Community-led malaria prevention campaigns.

Module 6: One Health and Zoonotic Diseases

- One Health framework and applications
- Zoonotic disease transmission pathways
- Wildlife, livestock, and human health connections
- Environmental risk assessment
- Cross-sector collaboration mechanisms
- **Case Study:** Rift Valley Fever outbreak management.

Module 7: Emergency Preparedness and Humanitarian Response

- Public health emergency operations
- Rapid response team coordination
- Humanitarian health interventions
- Pandemic preparedness planning
- Logistics and supply chain management
- **Case Study:** COVID-19 emergency response systems in developing countries.

Module 8: Monitoring, Evaluation, and Policy Development

- Monitoring and evaluation frameworks
- Health systems strengthening
- Program performance indicators
- Evidence-based policy development
- Sustainable disease elimination strategies
- **Case Study:** WHO-led neglected tropical diseases control programs.

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