# Marine Mammal Health Training Course

Professional Development Training Course Outline

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

## Course Introduction

Marine ecosystems are increasingly under threat due to climate change, pollution, and human activities, making the health of marine mammals a critical area of study. Marine Mammal Health Training Course equips participants with cutting-edge knowledge and practical skills to assess, diagnose, and manage marine mammal health. Emphasizing conservation medicine, wildlife epidemiology, and veterinary diagnostics, this course bridges the gap between research and real-world marine mammal care. Participants gain expertise in disease surveillance, rehabilitation techniques, and environmental impact assessment, preparing them to become leaders in marine mammal health and conservation initiatives.

This program integrates interactive learning, case-based analysis, and hands-on training to foster a deep understanding of marine mammal physiology, pathology, and behavioral health. Participants will explore emerging trends in marine mammal welfare, zoonotic disease management, and habitat restoration, ensuring they stay at the forefront of this specialized field. By combining theory with practical case studies, the course enhances critical thinking, clinical decision-making, and fieldwork proficiency, enabling participants to implement sustainable solutions for marine mammal health challenges globally.

## Programme Curriculum

**Marine Mammal Health Training Course**

**Introduction**

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**Course Duration**

5 days

**Course Objectives**

1. Master the fundamentals of marine mammal anatomy and physiology.
2. Develop skills in clinical assessment and diagnostic techniques for marine mammals.
3. Understand zoonotic disease risks and their management in marine environments.
4. Apply conservation medicine principles to real-world marine mammal care.
5. Enhance expertise in rehabilitation protocols for stranded or injured marine mammals.
6. Utilize epidemiological tools for disease surveillance and outbreak control.
7. Integrate behavioral analysis to improve health and welfare outcomes.
8. Assess the impact of climate change and pollution on marine mammal populations.
9. Implement nutritional and veterinary care strategies for captive and wild mammals.
10. Conduct field research and monitoring using modern technologies.
11. Apply ethical and legal frameworks in marine mammal health practice.
12. Develop emergency response plans for mass stranding events.
13. Build capacity in scientific reporting and data-driven conservation strategies.

**Target Audience**

1. Marine biologists and wildlife veterinarians
2. Conservationists and environmental scientists
3. Animal health researchers and epidemiologists
4. Aquarium and marine park veterinary staff
5. Wildlife rehabilitation specialists
6. NGO and government wildlife program managers
7. Veterinary students and interns specializing in marine medicine
8. Policy makers and regulatory authorities in marine conservation

**Course Modules**

**Module 1: Marine Mammal Anatomy & Physiology**

- Overview of key marine mammal species and adaptations
- Cardiovascular, respiratory, and digestive system specifics
- Sensory systems and communication mechanisms
- Comparative anatomy with terrestrial mammals
- Case study: Health assessment of a stranded bottlenose dolphin

**Module 2: Disease Diagnosis & Clinical Assessment**

- Common infectious and non-infectious diseases
- Diagnostic imaging and laboratory techniques
- Clinical examination procedures in field and captivity
- Differential diagnosis methods
- Case study: Epidemic outbreak analysis in a seal colony

**Module 3: Zoonotic Diseases & Public Health**

- Identification of zoonotic pathogens
- Transmission risk assessment and biosecurity
- Preventive strategies for handlers and researchers
- Vaccination and antimicrobial stewardship
- Case study: Brucellosis in marine mammals and human exposure

**Module 4: Rehabilitation & Emergency Response**

- Stranding response protocols
- Triage and stabilization techniques
- Nutrition and therapy plans
- Release criteria and post-release monitoring
- Case study: Rehabilitation of a rescued humpback whale calf

**Module 5: Behavioral Health & Welfare Assessment**

- Stress indicators and enrichment strategies
- Social structure and behavior in captivity vs. wild
- Behavioral monitoring tools
- Welfare scoring systems
- Case study: Enrichment program improving mental health in captive orcas

**Module 6: Conservation Medicine & Environmental Impact**

- Effects of pollution, climate change, and human activity
- Population health assessment
- Habitat restoration strategies
- Risk assessment and mitigation plans
- Case study: Coral reef ecosystem recovery and dolphin health metrics

**Module 7: Field Research & Technology Integration**

- Tagging, tracking, and telemetry tools
- Data collection and management
- Remote sensing and GIS applications
- Non-invasive sampling techniques
- Case study: Satellite tracking of migratory whale populations

**Module 8: Legal, Ethical & Scientific Reporting**

- National and international wildlife protection laws
- Ethical frameworks in marine mammal research
- Scientific writing and reporting standards
- Grant writing and conservation funding strategies

- Case study: Successful policy advocacy for marine mammal protection

### 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 |

| Start Date | End Date | Location | Price |
|---|---|---|---|
| **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