Pig Production & Health 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

Pig farming has emerged as one of the fastest-growing sectors in sustainable livestock production. Efficient pig production not only ensures high-quality pork supply but also contributes significantly to food security, profitability, and rural economic development. Modern pig farming requires a deep understanding of animal husbandry, biosecurity, disease prevention, and nutritional management to achieve optimal growth rates and herd health. Pig Production & Health Training Course equips participants with practical knowledge and hands-on skills to maximize productivity, reduce mortality rates, and implement innovative management practices.

With rising global demand for safe and nutritious pork, this course emphasizes evidence-based health management, genetic selection, and sustainable farm practices. Participants will explore case studies, cutting-edge technology applications, and modern production techniques that enhance both profitability and animal welfare. By the end of the program, learners will be prepared to apply strategic interventions, monitor herd performance, and implement comprehensive pig health programs that align with current industry trends.

Programme Curriculum

Pig Production & Health Training Course

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Course Duration

5 days

Course Objectives

1. Understand modern pig production systems and global industry trends.
2. Learn advanced swine nutrition for optimal growth and reproduction.
3. Implement effective disease prevention and biosecurity protocols.
4. Master breeding and genetic selection for high-yield pigs.
5. Apply animal welfare standards in intensive and semi-intensive systems.
6. Monitor health indicators for early disease detection.
7. Optimize feed conversion ratios and production efficiency.
8. Design and manage pig housing and environmental systems.
9. Implement vaccination schedules and parasite control measures.
10. Analyze economic performance and farm profitability metrics.
11. Apply sustainable waste management and eco-friendly practices.
12. Evaluate emerging technologies such as IoT, AI, and precision farming in pig health.
13. Develop strategies for market access, branding, and value-added pork products.

Target Audience

1. Smallholder and commercial pig farmers
2. Livestock veterinarians
3. Agricultural extension officers
4. Students in animal science and veterinary studies
5. Livestock nutritionists
6. Farm managers and supervisors in piggery operations
7. Policy makers in livestock development
8. Entrepreneurs exploring agri-business opportunities in pork production

Course Modules

Module 1: Introduction to Pig Production

- Global trends in pork industry and market opportunities
- Pig breeds and selection criteria for productivity
- Lifecycle management: piglets, growers, and finishers
- Introduction to **biosecurity measures**
- Case Study: Implementing a commercial pig farm in Southeast Asia

Module 2: Swine Nutrition & Feed Management

- Nutritional requirements at different growth stages

- Feed formulation and ration balancing
- Role of supplements, probiotics, and enzymes
- Feed storage and hygiene practices
- Case Study: Cost-effective feed formulation for smallholder farms

Module 3: Pig Health & Disease Management

- Common swine diseases: bacterial, viral, and parasitic
- Vaccination and immunization protocols
- Early disease detection and monitoring
- Antibiotic stewardship and alternatives
- Case Study: Managing African Swine Fever outbreak in a commercial herd

Module 4: Breeding & Genetics

- Selection of breeding stock for traits improvement
- Artificial insemination and natural mating techniques
- Record-keeping and performance tracking
- Crossbreeding strategies for productivity
- Case Study: Increasing litter size using selective breeding

Module 5: Housing & Environmental Management

- Design of pig pens and housing systems
- Ventilation, temperature, and humidity control
- Waste management and sanitation
- Environmental enrichment for welfare
- Case Study: Sustainable housing solutions for intensive pig farms

Module 6: Reproduction & Farrowing Management

- Heat detection and breeding cycles
- Farrowing management and piglet care
- Colostrum management and neonatal health
- Lactation and weaning strategies
- Case Study: Reducing pre-weaning mortality rates

Module 7: Farm Economics & Business Management

- Cost analysis and budgeting for pig farms
- Risk management and insurance
- Marketing strategies and value chain integration
- Profit maximization techniques
- Case Study: Transitioning from smallholder to commercial pig farming

Module 8: Technology & Innovation in Pig Farming

- Precision farming and IoT applications in swine health
- Data-driven decision-making for herd management
- Automation in feeding and monitoring
- Sustainable innovations for waste and energy
- Case Study: Implementing digital herd monitoring for productivity improvement

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

Start Date	End Date	Location	Price
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