



EG INTERNATIONAL ACADEMY

(by EMERALDGEARS INITIATIVE FOUNDATION GLOBAL under EGIF - capacity-strengthening initiatives)

Certificate in Livestock & Veterinary Science

Duration: 40 Hours

Objective: To provide foundational knowledge and hands-on skills for livestock management, basic veterinary care, and animal health practices.

Course Modules

Module 1: Introduction to Livestock Management (5 Hours)

- Importance of livestock in agriculture and economy
- Overview of livestock species: cattle, sheep, goats, poultry, and swine
- Breeds and breeding techniques

Assessment:

- Multiple-choice questions (MCQs) on livestock species and their economic importance
- Short answer questions on breeding techniques

Module 2: Basic Veterinary Science (8 Hours)

- Introduction to animal anatomy and physiology
- Common diseases in livestock and their symptoms
- Vaccination schedules and preventive care
- Basics of animal first aid

Assessment:

- Labelling diagrams of animal anatomy
- MCQs on disease symptoms and vaccination schedules
- Practical test: Demonstrating basic first-aid techniques

Module 3: Feeding and Nutrition Management (7 Hours)

- Principles of animal nutrition
- Feed formulation and quality assessment
- Feeding practices for different livestock species
- Water requirements and management

EG International Academy

O-464, Gaur City Center, Gaur Chowk, West, Sector 4, Greater Noida, Uttar Pradesh-201318, INDIA

Ph: 0120-5106662 Website: www.egacademy.org.in Email: support@egacademy.org.in



EG INTERNATIONAL ACADEMY

(by EMERALDGEARS INITIATIVE FOUNDATION GLOBAL under EGIF - capacity-strengthening initiatives)

Assessment:

- MCQs on principles of nutrition and feeding practices
- Case study: Designing a feed plan for a specific livestock species
- Practical test: Identifying and evaluating feed quality

Module 4: Housing and Farm Hygiene (5 Hours)

- Designing livestock shelters and housing systems
- Maintaining clean and disease-free environments
- Waste management and biosecurity measures

Assessment:

- Diagram-based test: Designing a livestock shelter layout
- MCQs on biosecurity measures and waste management practices
- Practical evaluation: Inspecting farm hygiene practices

Module 5: Disease Management and Control (5 Hours)

- Recognizing and diagnosing common diseases
- Parasite control (internal and external)
- Treatment protocols and medication administration

Assessment:

- MCQs on common diseases and parasite control methods
- Scenario-based test: Suggesting treatment protocols for specific cases
- Practical test: Administering medication (mock setup)

Module 6: Reproductive Management (5 Hours)

- Basics of animal reproduction and breeding cycles
- Artificial insemination techniques
- Pregnancy diagnosis and parturition management

EG International Academy

O-464, Gaur City Center, Gaur Chowk, West, Sector 4, Greater Noida, Uttar Pradesh-201318, INDIA

Ph: 0120-5106662 Website: www.egacademy.org.in Email: support@egacademy.org.in



EG INTERNATIONAL ACADEMY

(by EMERALDGEARS INITIATIVE FOUNDATION GLOBAL under EGIF - capacity-strengthening initiatives)

Assessment:

- MCQs on reproductive cycles and breeding methods
- Short answer questions on pregnancy diagnosis
- Practical evaluation: Demonstrating artificial insemination techniques (simulation models)

Module 7: Practical Training (5 Hours)

- Hands-on sessions in handling and restraining livestock
- Administration of vaccines and basic treatment procedures
- Monitoring animal behaviour and health status

Assessment:

- Practical test: Handling and restraining techniques
- Demonstration of vaccine administration
- Observation-based test: Identifying signs of healthy versus unhealthy behavior

Assessment and Certification

- **Assessment:**
 - Written test (30%)
 - Practical evaluation (70%)
- **Certification:**

On successful completion of the course, participants receive a Certificate in Livestock & Veterinary Science.

EG International Academy

O-464, Gaur City Center, Gaur Chowk, West, Sector 4, Greater Noida, Uttar Pradesh-201318, INDIA

Ph: 0120-5106662 Website: www.egacademy.org.in Email: support@egacademy.org.in