



Course Information Sheet

Course Name: Livestock Production

Instructional Material: iCEV

Week	Topic/Unit
1	Introduction to Livestock Production & Career Opportunities
2	The Role of Livestock in the Global Food System
3	Animal Rights vs. Animal Welfare & Ethical Considerations
4	Livestock Safety, Handling, & Restraint
5	Anatomy & Physiology: Skeletal & Muscular Systems
6	Anatomy & Physiology: Digestive Systems of Ruminants & Non-Ruminants
7	Anatomy & Physiology: Reproductive & Endocrine Systems
8	Animal Genetics & Breeding Systems
9	Livestock Selection & Evaluation: Conformation and Traits
10	Livestock Nutrition: Essential Nutrients & Forages
11	Livestock Nutrition: Feedstuffs and Ration Formulation
12	Beef Cattle Production & Management
13	Swine Production & Management
14	Sheep Production & Management
15	Goat Production & Management
16	Poultry Production & Management
17	Introduction to Livestock Health & Disease Prevention
18	Final Review & Fall Semester Wrap-up

**Second Semester:**

Week	Topic/Unit
19	Common Livestock Diseases & Treatments
20	Vaccinations, Parasite Control, & Biosecurity
21	Basic Veterinary Procedures: Administering Injections & Oral Meds
22	Livestock Facilities & Housing Requirements
23	Marketing & Merchandising of Livestock & Products
24	The Meat Industry: From Farm to Plate
25	The Dairy Industry: Milk Production & Processing
26	The Egg Industry: Production & Grading
27	Livestock Record Keeping & Financial Management
28	Supervised Agricultural Experience (SAE) in Livestock Production
29	Livestock Showmanship & Exhibiting
30	Judging Livestock & Evaluation Techniques
31	Current Issues & Trends in Livestock Production
32	Sustainable & Regenerative Agriculture Practices
33	Animal By-Products & Waste Management
34	Research & Presentation on a Specific Livestock Topic
35	Legal & Regulatory Aspects of Livestock Production
36	Final Review & Spring Semester Wrap-up