

**Course Information Sheet****Course Name: Equine Science****Instructional Material: iCEV****First Semester:**

Week	Topic/Unit
1	Introduction to Equine Science & Career Opportunities
2	History & Evolution of Equine
3	The Impact of the Equine Industry (Racing, Rodeo, Therapy)
4	Equine Anatomy & Physiology: Skeletal & Muscular Systems
5	Equine Anatomy & Physiology: Digestive System
6	Equine Anatomy & Physiology: Respiratory & Circulatory Systems
7	Equine Anatomy & Physiology: Reproductive & Endocrine Systems
8	Conformation and Selection: Evaluating Equine for Purpose
9	Equine Reproduction and Breeding Management
10	Equine Nutrition: Essential Nutrients
11	Equine Nutrition: Formulating Rations
12	Equine Health & Common Diseases
13	Equine Pests & Parasites
14	Preventive Care, Vaccinations, and Parasite Control
15	Equine Hoof Care & Farrier Science
16	Basic Equine First Aid & Vet Procedures
17	Equine Behavior & Training Principles
18	Final Review & Fall Semester Wrap-up

**Second Semester:**

Week	Topic/Unit
19	Equine Handling & Restraint Techniques
20	Equine Facility Management & Housing
21	Fencing, Barns, and Equipment Selection
22	Grooming & Showmanship
23	Tack and Equipment: Care and Use
24	Riding Disciplines and Techniques
25	Equine Identification: Branding & Tattooing
26	Equine Business & Entrepreneurship
27	Financial Planning for an Equine Operation
28	Equine Judging and Showing
29	Careers in the Equine Industry
30	Equine-Related Supervised Agricultural Experience (SAE)
31	Current Issues & Trends in the Equine Industry
32	Equine Welfare & Ethical Considerations
33	Advanced Equine Topics: Research Project
34	Equine Transportation & Safety
35	Legal & Regulatory Aspects of the Equine Industry
36	Final Review & Spring Semester Wrap-up