

660 ANIMAL SCIENCE
Pre-requisite: BIOLOGY
0.5 CREDIT

Within our student body there has always been a need and interest in the animal science field. In today's society, technology and job skills are a priority in obtaining and retaining employment. This course is designed to introduce and develop knowledge and skills necessary to work within the animal/veterinary science field. Live animals, specimens, models, tissue dissections, and industry professionals will be utilized in the instruction of animal handling, care techniques, and many other aspects related to veterinary science.

Course Syllabus

Unit 1: Animal Classifications

- Introduction to Animal Science
- Large Animals
- Small Animals
- Exotic Animals
- Production Vs. Pet/Pleasure Vs. Research
- Career Focus: Animal Production/Farmer

Unit 2: Animal Nutrition

- Digestive Systems
- Types of Feed
- Balancing a diet/ration
- Career Focus: Animal Nutritionist

Unit 3: Body systems

- Integumentary
- Skeletal
- Muscular
- Nervous
- Endocrine
- Cardiovascular
- Lymphatic
- Respiratory
- Digestive
- Urinary
- Reproductive
- Career Focus: Veterinarian

Unit 4: Reproduction, Genetics, and Research

- Purebreeding Vs. Crossbreeding
- Trait Selection
- Breeding Techniques
- Research Trials
- Chick Incubation Project
- Career Focus: Pure Breeder and/or Artificial Inseminator

Unit 5: Animal Health/Care Techniques

- Handling and Restraint
- Injections
- Management
- Diseases
- Animal Rights
- Career Focus: Animal Research

Course Grade Requirements and Expectations

1. Attendance
2. Notebook and folder/binder
3. Complete all assigned worksheets/projects
4. Participate in class discussions and lab activities
5. Participate in field trips and guest lectures
6. Complete animal feeding duty
7. Complete all quizzes/tests/final exam
8. Schedule make up work
9. Courtesy, Respect, Maturity and Responsibility
10. Respect all materials and equipment