ANIMAL DISEASES I and II

This course discusses the principles of disease; its causes, prevention and diagnosis, plus the role of nutrition and parasites. Diseases of various species will be discussed in a systematic manner so the student will be able to recognize those most commonly seen.

Core and Optional Vaccines for each species will be discussed in detail. Treatment options for these diseases will include pharmacology and medical math to calculate dosages.

An emphasis is made on zoonotic diseases and agents used in bioterrorism to give the student a look at global issues. Students will do PowerPoint presentations on assigned diseases for each animal species discussed.

Unit # 1 Principles of Disease

Unit # 2 Preventive Medicine & Vaccines

Unit # 3 Nutrition’s Role in Disease

Unit # 4 Physical Exam and Diagnostics

Unit # 5 Laboratory Procedures

Unit # 6 Parasitology

Unit # 7 Pharmacology

Unit # 8 Zoonotic Diseases

Unit # 9 Disease Agents and Bioterrorism

Unit # 10 Diseases of Dogs

Unit # 11 Diseases of Cats

Unit # 12 Diseases of Horses

Unit # 13 Cattle Diseases

Unit # 14 Diseases of Sheep and Goats

Unit # 15 Swine Diseases

Unit # 16 Avian Diseases

Unit # 17 Reptile Diseases

Unit # 18 Diseases of Rabbits and Pocket Pets

Unit # 19 Zoo and Wildlife Diseases