

Course Name	Zoo Science (Hokkaido University)						
Instructor	Toshio TSUBOTA						
Other Instructor	Masao KOSUGE						
Credits	1	Semester	2Semester(3 rd year)	Req / Ele	Elective	Type	Lecture
Key words: Zoo, aquarium, zoo animal, ex-situ conservation, environmental education, environmental enrichment, animal welfare							
Course Description: Veterinarians who have teaching, research or clinical experiences at zoos or aquariums will explain the social roles of zoos and aquariums (i.e. places for recreation, education, research and conservation), diseases of animals in zoos and aquariums, and methods for preventing and treating these diseases. The veterinarians will also explain efforts for the preservation of species and ex-situ conservation at zoos and aquariums.							
Course Goals and Objectives: Students will be able to explain: <ul style="list-style-type: none"> 1) Social roles of zoos and aquariums (i.e. places for recreation, education, research and conservation); and 2) Diseases specific to zoo animals, and methods for preventing and treating these diseases. 							
Course Schedule: <ul style="list-style-type: none"> 1. History of zoological gardens and aquariums 2. Roles of zoological gardens and aquariums (1): Recreation and education 3. Roles of zoological gardens and aquariums (2): Research and conservation 4. Zoological gardens and aquariums in the world 5. Zoological gardens and aquariums in Japan 6. Diseases of zoo animals (1): Noninfectious diseases 7. Diseases of zoo animals (2): Infectious diseases 8. Wildlife conservation utilizing zoological gardens and aquariums 							