

- Dr. J. Mitchell Loll eh7i2W003 t 2.62 0 Td()Ta-2(rs)-8 Td(l)-8.7 (17JC /TTO 1 Tf-0.004 Tc 0.003 Tw 12.(n2
online at http://www.nwhc.usgs.gov/publications/field_manual/

_____) . Various other readings will be provided.

Other resources:

Journal of Wildlife Diseases – www.jwildlifedis.org/archive/

Wildlife Disease Information Node – <http://wildlifedisease.nbi.gov/>

Manual of Common Diseases and Parasites of Wildlife in Northern British Columbia

http://www.unbc.ca/nlui/wildlife_diseases_bc/

: This course will provide an introduction to the field of wildlife disease biology. Topics examined will include specific avian, mammalian, fish, reptile, and amphibian diseases as well as methods to survey for, (fo)-6.L76.6 (n)i r2.iiz2.37avns_bc/

Assignments	100-200
Exam 1 (February 19)	100
Exam 2 (March 28)	100
Exam 3 (May 2)	100

Comprehensive Final Exam 200

For the lecture grade, three exams (tentative) plus a comprehensive final will be given. Questions will be based on material covered in lecture, in my notes, and from assigned readings

Introduction

Disease transmission in natural populations

Field techniques for investigation of wildlife diseases

Diagnostic and Laboratory techniques for investigation of wildlife diseases

Working with zoonotic disease/biosafety considerations

Permits and paperwork for wildlife disease investigations

Working with stakeholders

Foreign Animal Diseases

Specific Disease Lists

Avian

Cholera, Tuberculosis, Salmonellosis, Chlamydiosis, Mycoplasmosis, Miscellaneous Bacterial Diseases, Aspergillosis, Candidiasis, Miscellaneous Fungal Diseases, Duck Plague, Inclusion Body Disease of Cranes, Miscellaneous Herpesviruses of Birds, Avian Pox, EEE, Newcastle Disease, Avian Influenza, Woodcock Reovirus, Hemosporidiosis, Trichomoniasis, Intestinal and Renal Coccidiosis, Sarcocystis, Eustrongylidosis, Tracheal Worms, Heartworm, Gizzard Worm, Acanthocephaliasis, Nasal Leeches, Miscellaneous Parasitic Diseases, Algal Toxins, Mycotoxins, Avian Botulism, Organophosphorus and Carbamate Pesticides, Chlorinated Hydrocarbons, PCBs, Oil, Lead, Selenium, Mercury, Cyanide, Salt, Barbiturates, Miscellaneous Chemical Toxins, Electrocutation

Mammalian

Deer

Hemorrhagic Disease, Cutaneous Fibroma, Miscellaneous Viral Diseases, Anthrax, Dermatophilosis, Brain Abscess, Miscellaneous Bacterial and Rickettsial Diseases, Toxoplasmosis, Liver Fluke, Lungworm, Stomach Worm, Meningeal Worm, Arterial Worm, Abdominal Worm (*Setaria*), Tapeworm, Ecto's – Ticks, Louse Flies, Lice, Ear Mite, Demodectic Mange, Piebald Anomaly, Capture Myopathy

Elk

Infectious Diseases, Parasitic Diseases

Feral Swine

Pseudorabies, Vesicular Stomatitis Virus, Swine Brucellosis, Tuberculosis, Lungworms, Kidney Worm, Liver Flukes, Acanthocephalans, Ascarids, Trichinosis, Hog Lice

Black Bear

Rabies, Canine Distemper Virus, Trichinosis, Canine Heartworm, *Spirometra*, Ascarids, Demodectic Mange

Raccoon

Rabies, CDV, Parvovirus, Tularemia, Leptospirosis, *Trypanosoma*, *Spirometra*, *Baylisascaris*, *Dracunculus*, Stomach Worms, Acanthocephala

Striped Skunk

Rabies, Canine Distemper Virus, Leptospirosis, Ascarids

Red Fox
Rabies, Canine Distemper Virus, Leptospirosis, *Echinococcus*, Canine Heartworm, Subcutaneous Worm, Sarcoptic mange

Gray Fox
Canine Distemper Virus, Rabies, Leptospirosis, Heartworm

Coyote
CDV, Parvovirus, Rabies, Brucellosis, *Echinococcus*, Heartworm

Bobcat
Feline Panleukopenia, Rabies, Toxoplasmosis, Cytauxzoonosis, *Spirometra*

Opossum
Rabies, Leptospirosis, Sarcocystis, Besnoitia, Stomach Worm

Mink
Mink Virus Enteritis, Dioctophyme

River Otter
CDV, Salmonellosis, Subcutaneous worm

Muskrat
Tularemia, Tyzzer's Disease

Beaver
Tularemia, *Giardia*

Cottontail Rabbit
Shope's Fibroma, Tularemia, Staphylococcosis, Tapeworm, Ascarid, Warbles

Gray Squirrel
Squirrel Fibroma, Warbles, Miscellaneous Skin Conditions - Congenital Alopecia, Dermatophytoses, Notedric Mange, Louse

Woodchuck
Woodchuck Hepatitis, Rabies, Ascarids

Armadillo
Leprosy

Others
Chronic Wasting Disease, Cervid Adenovirus Infection, Malignant Catarrhal Fever, Brucellosis, Bovine Tuberculosis, Johne's Disease, Anaplasmosis, Elaphostrongylosis

