



ANIMAL  
HEALTH  
& WELFARE  

---

SHORT COURSE



# HOW TO WORK THROUGH THIS COURSE

---

Over the following pages, you will move through a logical, self-paced learning experience that can enlighten and educate you in the subject of animal health and how to detect and prevent possible illnesses.

It is important from the outset to understand that learning about something is not the same as just reading about it. Learning implies a permanent change in what you know and can do.

Anyone can read a book and understand it; but for most people the detail of what you read is largely forgotten.

Reading something once only puts information into short-term memory. It is soon lost if you don't 'work' on it. Studying the same information takes longer, but by thinking about it and processing it you can transfer that information to long-term memory. This way, you will enhance your ability to recall and apply that information for years to come. If you take your time to work through the 7 lessons that follow, you will learn.

## Read, Reflect, Research, Revise

Throughout the following pages, you will find not only things to read about, but also things to do:

1. Throughout each lesson, there are suggestions of things to do under the headings "Learn More". These are all sorts of ideas about things you can do in order to explore the subject further.
2. At the end of each lesson, there is an interactive selfassessment test (assignment), for you to undertake. When you click on this, your computer needs to be online. You will be taken to our cloud-based online school. The answers you choose will be evaluated immediately, and your results can be seen on completion of each test. You can return and repeat tests if you wish.

Undertaking these tasks will involve reflection, research and revision of the topics you read about. By repeatedly encountering each topic in different ways, your perspective on each subject will broaden, and the commitment of information to longer term memory will strengthen.

You don't need to undertake all of the suggested tasks if you don't want to; but we strongly recommend that you do some in each lesson, and that you take all of the self-assessment tests.

The more time you spend doing these things, the stronger your learning will be.

## Completing the Course

After completing all 7 lessons you will be presented with a final assessment which can also be undertaken online.

Do not attempt to do this until you have worked through all 7 lessons, and feel like you have learnt the subject well.

Upon finishing this final assessment you will immediately see your final results, and you can save a pdf copy of those results as a "Certificate of Completion".

## Welcome Audio

Click the button below to listen to the welcome audio for this course. This feature is supported by most computers and some mobile devices.



# THE CONTENTS OF THE COURSE

---

<b>LESSON 1 INTRODUCTION</b>	<b>9</b>
Considering Animal Ethics	10
Animal Rights	13
Animal Welfare	14
Health And Welfare	16
Providing Animal Health Care	18
Routine Health Treatments	20
Lesson 1 Additional Reading	21
Review What You Have Been Learning	24
<b>LESSON 2 PREVENTING DISEASE AND INJURY</b>	<b>25</b>
Health Checks And Observations	28
The Importance Of Good Nutrition	29
Watering	30
Exercise And Stimulation	31
Appropriate And Safe Environment	33
Controlling Pests And Diseases	34
Veterinary Prevention	35
Lesson 2 Additional Reading	36
Review What You Have Been Learning	39
<b>LESSON 3 UNDERSTANDING &amp; INSPECTING HEALTH ISSUES</b>	<b>40</b>
Pathogens	40
Inspecting The Health Of Animals	51
Signs Of Ill Health	57
Differential Diagnosis	57
Lesson 3 Additional Reading	58
Review What You Have Been Learning	63
<b>LESSON 4 ANIMAL FIRST AID</b>	<b>64</b>
Types Of Wounds	64
Treating Wounds	66
Fly Control	67

Bone & Joint Problems.....	67
Poisoning.....	70
First Aid For Wildlife.....	73
Lesson 4 Additional Reading.....	76
Review What You Have Been Learning.....	82
<b>LESSON 5 SOME COMMON ILLNESSES IN ANIMALS A-F.....</b>	<b>83</b>
African Swine Fever.....	83
Allergies.....	83
Anaplasmosis.....	84
Anthrax.....	84
Aspergillosis.....	85
Arthritis.....	85
Avian Influenza (Bird Flu).....	85
Bacterial Infections.....	86
Bile Duct Obstruction.....	86
Bladder Stones.....	87
Blastomycosis.....	87
Bloat.....	88
Blue Tongue.....	88
Botulism.....	89
Bordetella (Respiratory Infection).....	89
Bovine Spongiform Encephalopathy (Bse).....	89
Brucellosis.....	90
BVD (Bovine Viral Diarrhoea).....	91
Camel Pox.....	91
Cancer.....	91
Cancer Eye.....	92
Candida.....	93
Canine Distemper.....	93
Cataracts.....	94
Chlamydiosis.....	94
Cholera.....	95
Chronic Murine Pneumonia (Murine Mycoplasmosis).....	95

Coccidiosis.....	96
Colitis.....	96
Congestive Heart Failure.....	97
Conjunctivitis.....	98
Cryptococcosis.....	98
Cryptosporidiosis.....	99
Cystitis.....	99
Dermatitis.....	100
Diabetes Insipidus.....	100
Diabetes Mellitus.....	101
Dermatophilosis.....	101
Dropsy (Fish).....	102
E-Coli 0157.....	102
Ear Mites.....	103
Eczema.....	104
Egg Binding.....	104
Encephalitis.....	105
Enteritis.....	105
Epilepsy.....	106
Equine Encephalomyelitis.....	106
Equine Herpesvirus (Ehv).....	107
Equine Infectious Anemia Virus (Eia).....	107
Equine Influenza.....	108
Erysipelas (Swine).....	109
External Parasites.....	109
Feline Asthma.....	110
Feline Immunodeficiency Virus.....	110
Feline Infectious Peritonitis.....	111
Feline Leukaemia Virus (Felv).....	112
Fibrosis.....	112
Fish Fungus.....	113
Flea Anemia.....	114
Foot And Mouth Disease.....	114

Foot Rot .....	115
Lesson 5 Additional Reading.....	116
Review What You Have Been Learning.....	120
<b>LESSON 6 SOME COMMON ILLNESSES IN ANIMALS G-N .....</b>	<b>121</b>
Gastroenteritis.....	121
Giardia.....	121
Glaucoma.....	122
Grass Tetany.....	122
Heartworm.....	123
Heat Stress.....	124
Hip Dysplasia.....	124
Hookworm.....	125
Hendra Virus (Equine Morbillivirus Pneumonia).....	125
Hydatid Disease.....	126
Hymenolepiasis.....	126
Hypertension.....	127
Hypothyroidism.....	127
Inflammatory Bowel Disease (Ibd).....	128
Internal Parasites.....	128
Intestinal Impaction (Snakes).....	129
Kennel Cough.....	129
Laryngitis.....	130
Legionellosis (Pneumonia Or Mild Respiratory Illness).....	130
Leptospirosis.....	131
Leukaemia.....	132
Liverfluke (Fasciola Hepatica).....	132
Listeriosis.....	133
Lumpy Jaw.....	133
Lyme Disease.....	134
Lymphocystis.....	135
Lymphoma.....	135
Malaria.....	136
Mange.....	136

Mastitis.....	137
Melioidosis.....	138
Metabolic Bone Disease (Reptiles).....	138
Mouth Canker (Stomatitis).....	139
Mrsa Infection.....	139
Muscular Dystrophy.....	140
Mycotic Infection (Reptiles) .....	140
Myiasis.....	141
Necrotic Dermatitits (Scale Rot).....	141
Newcastle Disease.....	142
Nipah Virus.....	142
Nitrate Poisoning.....	143
Nutritional Secondary Hyperparathyroidism .....	143
Lesson 6 Additional Reading.....	145
Review What You Have Been Learning.....	147
<b>LESSON 7 SOME COMMON ILLNESSES IN ANIMALS O-Z.....</b>	<b>148</b>
Obesity.....	148
Overgrown Teeth.....	148
Ovine Johne’s Disease (Ojd).....	149
Pancreatic Disorders.....	149
Parvovirus.....	150
Pediculosis (Lice).....	150
Peritonitis.....	151
Pneumonia.....	151
Poisoning.....	152
Polyomavirus.....	153
Pox Virus.....	153
Proventricular Dilation Disease (Pdd).....	154
Psittacosis.....	154
Q Fever.....	155
Rabbit Calicivirus Disease .....	155
Rabies.....	156
Rhinitis .....	156