

## COURSE OUTLINE TEMPLATE



<b>Course Code:</b> DAGR*4810	<b>Semester Offering:</b> Fall 2011	<b>Credit Weight:</b> 0.50
<b>Course Title:</b> HORSE HEALTH	<b>Lecture and Lab Hours :</b> <b>Lectures: 2</b> Tuesday 11:00 – 11:50 Amphitheatre 1 Wednesday 2:00 - 2:50 Amphitheatre 1 <b>Lab: 2</b> Tuesday 3:00 - 4:50 A.M. Barr HIT students Wednesday 3:00 - 4:50 A.M. Barr AEO students	
<b>Instructor Name(s):</b> KERSTIN BLAESKE (613)258-8336 Ext 61328 <a href="mailto:kblaeske@kemptvillecuogulph.ca">kblaeske@kemptvillecuogulph.ca</a> Office hours : Tuesday 12:30 – 2:00 Wednesday 11:30 – 1:00 or by appointment		

**Calendar Description:**

This course focuses on equine health issues and proper stable management practices related to the health care of horses . This includes record keeping , the understanding of the importance of a horse health program with appropriate vaccinations and parasite control , how to recognize health problems , deal with common injuries and diseases and how to care for the sick or injured horse . This course also includes First aid procedures for everyday problems and emergency situations .

**Evaluation**

Term Assignment	25%
Lab and Lab Assignments	30%
Tests ( written and practical )	20%
Final exam	25%
TOTAL	100%

**Method of Presentation**

**Course Delivery :** Lectures will consist of formal presentation , discussion , video and demonstration . Labs will be on/around horses and allow the student to obtain practical experience in horse health care practices . During the course students will work on several written and practical assignments . Testing will be implemented to ensure skills in health care are satisfactory and the theoretical knowledge is understood . **LIVE HORSES ARE USED FOR DEMONSTRATION AND PRACTICE IN THIS COURSE !**

**Course Objectives:**

- 1.) Broaden the understanding of proper health care procedures , including vaccinations and parasite control
- 2.) Learn to assess the horse’s health status and condition
- 3.) Develop the ability to recognize signs and symptoms of the most common diseases of the equine
- 4.) Develop skills to deal with minor cuts and injuries
- 5.) Develop the ability to administer / apply different types of medication
- 6.) Learn how to apply First aid bandages
- 7.) Understand the importance of Standard Operating procedures ( SOP ) and Emergency Action Plans (EAP) related to horse health issues
- 8.) Develop skills to make informed decisions associated with the health of the equine and in emergency situations

**Upon completion of this course, students should/will:**

- 1.) Demonstrate the ability to design and implement an appropriate horse health program
- 2.) Have the knowledge to keep proper horse health records
- 3.) Demonstrate an ability to assess the horse’s health status and condition
- 4.) Recognize signs and symptoms of the most common diseases of the equine
- 5.) Demonstrate the ability to deal with minor injuries and be familiar with First aid procedures in emergencies
- 6.) Administer and/or apply different types of medication as indicated by a veterinarian or supervisor
- 7.) Demonstrate the skill to design and implement Standard Operating procedures ( SOP ) and Emergency action plans ( EAP ) related to horse health issues
- 8.) Demonstrate the ability to make informed decisions in the daily care of the equine and in emergency situations

**Weekly Course outline**

<b>DATE</b>	<b>Week</b>	<b>Lect/ Lab #</b>	<b>ACTIVITIES</b>
Sep12 -16	1		The healthy horse . Signs and symptoms of health problems . Record keeping . Caring for the sick horse .  Lab assignment # 1 : Assess the horse’s health status . Physical examination of the horse including TPR and vital signs .  Term assignment : <b><u>DESIGN AND MAINTAIN AN EXTENDED HORSE HEALTH RECORD FOR YOUR HORSE FOR A 10 WEEK PERIOD !</u></b> ( Due date : November 30, 2011 12:00 noon ( no late assignments accepted ! )

Sep19- 23	2	<p>Vaccinations . Contagious diseases of the equine . Tetanus , Rabies , West Nile , Equine Influenza , Rhino- pneumonitis , Strangles, Eastern and Western Encephalomyelitis , Potomac Horse Fever , Equine Infectious Anemia .</p> <p>Lab assignment # 2: Assess the horse's condition , soundness and level of fitness</p>
Sep26 -30	3	<p>Contagious diseases of the equine . How to develop an SOP ( Standard Operating procedure ) including an EAP ( Emergency Action plan ) to handle an outbreak .</p> <p>Guest speaker : <b><u>Cathy Rae DVM</u></b> Topic : <b><u>INTERNAL PARASITES OF THE EQUINE</u></b></p>
Oct03- 07	4	<p>Internal parasites . Large and small Strongyle , Ascarid , Pinworm , Tapeworm and Bots . Parasite control , de-worming methods and prevention .</p> <p>Common problems and/or injuries of the foot and lower leg . First aid bandages for the foot and lower leg . Sweats and poultices and their practical application . Lab assignment # 3 : Apply a hoof poultice</p>
Oct10- 14	5	<p>Ingredients of a well equipped first aid kit for home and travel . Different methods of administering medication to the horse .</p> <p>First aid bandages for common problems and/or injuries of the leg . Spider , Figure 8 , Robert Jones and Pressure bandage . Lab assignment # 4 : Apply a Spider bandage</p>
Oct17- 21	6	<ul style="list-style-type: none"> <li>• <b>Mid term : Written exam October 18 , 2011</b> ( cover material from week 1 to week 5 )</li> </ul> <p>Medication and treatment methods . Types of wounds , assessing a wound and first aid treatment .</p> <p>Guest speaker : tba Topic : <b><u>First Aid procedures for a variety of injuries and when to call the Veterinarian .</u></b></p>

Oct24- 28	7	<p>Common diseases and/or problems of the respiratory system .  Infectious and non-infectious respiratory diseases , Nosebleeds , EIPH , COPD .  Abnormal breathing noises at rest and during exercise .</p> <p>Assessing the respiratory system . Prevention ,treatment and management of  respiratory problems . Use of the Aero mask .  Lab assignment # 5 : Assess the breathing of two different horses .</p>
Oct31 – Nov04	8	<p>Common problems of the digestive system .  Diarrhea , Choke , Colic .  First aid procedures for Choke .  First aid procedures for Colic .</p> <p>Guest speaker : <b><u>Dr Jane Kielley ( Practical workshop )</u></b>  Topic : <b><u>How to perform a fecal test and identify different parasite eggs</u></b>  Lab assignment # 6 : bring a fecal sample and perform a fecal test</p>
Nov07-11	9	<ul style="list-style-type: none"> <li>• <b>Written test Nov 09 , 2011</b></li> </ul> <p>Common eye problems . Conjunctivitis , Injuries to the cornea , Equine  Recurrent Uveitis , Cataracts , Tumors , Glaucoma and Night blindness .</p> <p>How to examine the eye . Assessing the abnormal eye . First aid procedures .  Lab assignment # 7 : Assess the eyes of two different horses</p>
Nov14-18	10	<p>Muscular problems of the horse . ERS and RER (Equine Rhabdomyolysis  Syndrome ) , PSSM ( Polysaccharide Storage Myopathy ) .  Assessing the horse's muscular system .</p> <p>Laminitis . Assessing the horse's foot and first aid procedures .  Lab assignment # 8 : Apply a first aid bandage for acute Laminitis</p>
Nov21-25	11	<p>External parasites .Diseases of the skin . Mud fever , Cracked heels ,  Ringworm, Rainscald , Warts and Tumors , Allergic reactions .  Assessing a skin problem .Treatment and prevention .</p> <p>First aid bandaging assignment  <b>Demonstrate first aid bandages for various injuries .</b></p>
Nov28- Dec02	12	<p>Review week .  <b>Term assignment due November 30 , 2011 12:00 noon</b>  <b>( no late Assignments accepted !!! )</b></p>
Dec05-10	13	<ul style="list-style-type: none"> <li>• <b>Final exam</b></li> </ul>

<b><u>Course Prerequisite(s):</u></b>	<b><u>Course Restriction(s):(if limited enrolment)</u></b>
<b><u>Text Book(s) Required:</u></b>	<b><u>Reference Material:</u></b> First Aid for horses Karen Coumbe Emergency Karen Hayes , D.V.M. EC Stable Management Chapter 6,7, 8 and 11 Essential Horse Health Kieran O'Brian MRCVS Veterinary Notes for Horse Owners
<b><u>Additional Course Requirements:</u></b> Thermometer , stethoscope and bandaging material is required for this course	
<b><u>Additional Information:</u></b>	
<ul style="list-style-type: none"> <li>• Independent practice is necessary for some skills</li> <li>• Failure to show up for testing will result in a mark of 0 ( zero ) unless the student has made special ( formal ) arrangements with the instructor ahead of time</li> <li>• Make ups are purely granted at the discretion of the instructor and should not be taken for granted by the student</li> <li>• Any assignment received past the due date will have a penalty of 5% per day for a maximum of 75%</li> <li>• Any illegible assignments will not be marked</li> <li>• Any un-named assignments will not be marked</li> <li>• A supplementary exam will only be granted if the student holds a passing mark prior to the final exam</li> </ul>	
<b><u>Classroom protocol :</u></b>	
<ul style="list-style-type: none"> <li>• Cell phones have to be turned off in the classroom , except with the permission of the instructor</li> <li>• Walking out of the classroom before the finish of the session is not tolerated . Students needing to leave early must ask permission at the beginning of the class</li> <li>• Excessive chatting in class is disrespectful to classmates and will not be tolerated . Students may be asked to leave the room and obtain class notes in their own time</li> <li>• Students requiring academic monitoring will have their papers signed at the end of the class</li> <li>• Students with known medical conditions which require emergency medication , must carry their medication to class and/or have someone with them who is aware of the condition and knows where the medication is located in case of an emergency . It is wise ( and responsible ) to make the instructor aware of serious medical issues before an emergency occurs . ALL SUCH DISCUSSION WILL REMAIN CONFIDENTIAL .</li> </ul>	