GPRC

DEPARTMENT OF ANIMAL HEALTH
COURSE OUTLINE – FALL 2011
AH345 – CLINIC PROCEDURES 1

INSTRUCTOR: Dr. C. Barlund, Trisha Holubowich,RAHT Karlee Worobetz,RAHT

PHONE: 780-835-6701
780-835-6703
780-835-6686

OFFICE: AS 133
AS 149A
AS 140

EMAIL: cbarlund@gprc.ab.ca
tholubowich@gprc.ab.ca
kworobetz@gprc.ab.ca

OFFICE HOURS: 9:00am – 4:00pm unless otherwise posted

PREREQUISITE(S)/COREQUISITE:

Students must complete and pass AH243, AH244,AH247 & AH248.

Co-Requisites:AH 346, AH 342, AH 347 & AH 340

REQUIRED TEXT/RESOURCE MATERIALS:
- None

CALENDAR DESCRIPTION:
Review of skills learned throughout the program by performing the tasks and responsibilities of an AHT in a clinic and pharmacy setting. The student will perform reception duties, book, admit and discharge patients, perform laboratory tests, administer medications, monitor

patients and discuss cases on rounds, maintain records, files and inventories and many other duties required of an AHT in a private practice. The student is expected to demonstrate teamwork and co-operation at all times.

CREDIT/CONTACT HOURS: 5.5/91

DELIVERY MODE(S): Lecture & Lab

OBJECTIVES:
Clinic Rotations Upon successful completion of this Module, you will be able to complete clinic rotations from 8:00 am to 5:00 pm.
1. Apply and use policies and procedures manual.
2. Complete competencies lists - both small and large animal.
3. Complete and manage sanitation rotations.
4. Complete and process clinic appointments.

LAB: Collection of Urine and Vaginal Samples
Upon successful completion of this Module, you will be able to collect urine samples and vaginal swabs.
1. Prepare canine patient the night before.
2. Prepare feline patient the night before.
3. Perform TPR & asymmetry evaluation of patient.
4. Perform drug calculation and give sedation to patient.
5. Prepare materials for procedure.
6. Perform urinary catheterization of male canine: collecting a urine sample for evaluation.
7. Perform vaginal sample collection on female canine: preparing sample for future evaluation.
8. Assist with cystocentesis of feline patient.
9. Identify and use instruments/devices used in urinary catheterization, vaginal sample collection and cystocentesis.
10. Assist with recovery of patients and clean-up.

LAB: Canine Venipuncture
Upon successful completion of this Module, you will be able to perform canine venipuncture.

1. Prepare canine patients the night before.
2. Perform TPR & asymmetry evaluation of patients.
3. Perform drug calculations and give sedation to patients.
4. Prepare materials for venipuncture procedure.
5. Identify and use instruments/devices used in venipuncture.
6. Perform cephalic, jugular and lateral saphenous venipuncture.
7. Assist with recovery of patients and clean-up.

LAB: Feline Venipuncture. Upon successful completion of this Module, you will be able to perform feline venipuncture.

1. Prepare feline patients the night before.
2. Perform TPR & asymmetry evaluations of the patients.
3. Perform drug calculations and give sedation to patients.
4. Prepare materials for venipuncture.
5. Identify and use instruments/devices used in venipuncture.
6. Perform jugular, cephalic, and femoral venipuncture.
7. Assist with recovery of patients and clean-up.

LAB: Canine IV Fluid Therapy
Upon successful completion of this Module, you will be able to perform and maintain intravenous fluid therapy.

1. Prepare canine patients the night before.
2. Perform TPR & asymmetry evaluations of the patients.
3. Perform drug calculations and give sedation to patient.
4. Prepare and use surgical maintenance IV fluid calculations for the patients.
5. Prepare materials for IV fluid delivery.
6. Identify and use instruments/equipment used in IV fluid delivery.
7. Perform IV catheterization and IV fluid delivery.
8. Assist with recovery of patients and clean-up.

LAB: Intro to Anesthesia
Upon successful completion of this Module, you will be able to demonstrate and follow proper procedure for using a gas

anesthetic machine for general anesthetic in dogs.

1. Recognize and demonstrate the different parts of the anesthetic machine and the oxygen supply to it, and how the rebreathing system is assembled for use.
2. Demonstrate and follow the leak testing procedure used for testing a rebreathing system.
3. Demonstrate pre-anesthetic dog examination and the administration of a pre-med.
4. Recognize and demonstrate the different induction techniques used in dog anesthesia.
5. Demonstrate and follow proper intubation procedures, including the endotracheal tube selection, preparation and installment with connection to the anesthetic machine.
6. Recognize and interpret the symptoms of the different stages of anesthetic depth.
7. Demonstrate the use of the different settings of flow meter, vaporizer, pop-off valve to influence the depth of anesthetic.
8. Demonstrate proper procedure for removing the animal from the anesthetic machine and extubation on awakening.
9. Demonstrate the use of an esophageal stethoscope and Doppler for patient monitoring.

LAB: Feline Anesthesia

Upon successful completion of this Module, you will be able to demonstrate and follow proper procedure for using the gas anesthetic machine in feline general anesthesia.

1. Demonstrate the proper set-up for small animals like cats on the gas anesthetic machine.
2. Recognize and interpret the physiological parameters found on the patient in the pre-anesthetic exam.
3. Demonstrate the use of different pre-meds.
4. Demonstrate different induction methods used in cats.
5. Demonstrate proper intubation technique in cats.
6. Demonstrate maintaining proper anesthetic depth through interpretation of the symptoms of the different stages of anesthetic and appropriate use of flow meter, vaporizer and pop-off valve.
7. Demonstrate proper monitoring of the patient physiological

parameters and recording them on an anesthetic log.

8. Demonstrate proper disconnection and extubation procedure.
9. Recognize and describe the danger posed by laryngeal spasms in the cat.

LAB: Feline - Canine Anesthesia for Surgery

Upon successful completion of this Module, you will be able
to demonstrate general anesthetic administration to a cat/dog

1. Demonstrate a pre-med examination on a fasted animal
2. demonstrate the assembly, working and care of the anesthetic machine
3. Demonstrate the administration of premed, anesthetic induction, monitoring, maintaining in a surgical plane and recovering of a patient
4. Demonstrate fluids and other medication administration during and after surgery

LAB: Review/Competencies Lab for Small Animal Nursing II

Upon successful completion of this Module, you will be able
to demonstrate and display proficiency in the subjects of the small
animal labs given in the fall, with the ability to improve those areas
you feel unsure of as yet

1. Recall the topics of previous labs you feel unsure about
2. Practice those areas you feel unsecure on, and any other you would want to revisit
3. Demonstrate adequate proficiency in those areas of uncertainty

LAB: Small Animal Competencies

Upon successful completion of this Module, you will be able
to demonstrate adequate knowledge and execution of all subjects
practiced in the small animal labs

1. demonstrate all aspects of giving a small animal general anesthetic, including but not limited to pre-anesthetic exam, pre-medication, induction, monitoring and maintaining a surgical plane of anesthetic, disconnection and recovery, including aftercare; sanitation rotations

LAB: Applied Anatomy

Upon successful completion of this Module, you will be able
to identify and describe anatomical structures of a live animal and to

review basic anatomy of equine, bovine, canine and feline species.

1. Name various joints, bones, muscle groups and body regions as requested by the instructor.
2. Describe, verbally, the anatomical structures as outlined in the study guide.
3. Perform flexion and extension techniques of a number of joints as specified in the study guide.
4. Locate and describe the landmarks for finding blood vessels as specified in the study guide.
5. Trace the pathway of the flow of blood through the heart and the flow of urine in the urinary tract.
6. Name and describe the location of structures of the male and female reproductive tracts.
7. Name and identify structures of the respiratory and digestive systems.

LAB: Sterile Technique #1

Upon successful completion of this Module, you will be able to demonstrate methods used in preparing the operating room, gown packs, drape packs and instrument packs for use in aseptic surgery.

1. Prepare the operating room for aseptic surgery.
2. Identify components of a gown pack, drape pack and small animal instrument pack.
3. Prepare a gown pack, drape pack and small animal instrument pack.
4. Open each pack aseptically with no break in sterility.
5. Operate and maintain the autoclave.

LAB: Sterile Technique #2

Upon successful completion of this Module, you will be able to demonstrate and explain the fundamentals of gowning and gloving techniques adhering to principles of asepsis.

1. Apply and remove cap and mask aseptically.
2. Perform a personal scrub.
3. Demonstrate and follow aseptic gowning procedures.
4. Demonstrate and follow aseptic gloving procedures.

Lab: Sterile Technique #3 - Scrub Nurse

Upon successful completion of this Module, you will be able to prepare and perform as Scrub Nurse.

1. Organize materials while waiting for anesthetist.
2. Express the patients bladder as soon as the patient is stabilized under anesthetic.
3. Prepare and apply patient for OVH shave, vacuuming and lint rolling.
4. Perform surgical scrub of patient.
5. Transport patient to the O.R.
6. Perform final scrub.
7. Assist Surgical Assistant.
8. Assist in lab clean up and preparation of surgical packs.

Lab: Sterile Technique #3 - Surgical Assistant

Upon successful completion of this Module, you will be able to prepare and perform as Surgical Assistant.

1. Prepare appropriate surgical packs.
2. Prepare the O.R.
3. Choose and prepare all equipment.
4. Prepare and perform personal scrub, gowning and gloving
5. Prepare instrument tray
6. Perform draping of the patient.
7. Assist the surgeon.
8. Assist in lab clean up.
9. Prepare and autoclave packs for the next day.

LAB: Feline Spay

Upon successful completion of this Module, you will be able to perform as an AHT in a clinic like setting during a feline spay

1. Demonstrate the set up for a cat spay, including physical exam, anesthetic machine set up and instrument preparation
2. Demonstrate the immediate preparations, including the calculating and administering of premedication, anesthetic parameters and other drugs administered
3. Demonstrate proper induction, maintenance, monitoring, and recovery of a general anesthetic
4. Demonstrate demonstrate and follow standard preparation procedure for the site preparation and transportation

5. Demonstrate and follow proper procedure during surgery assistance, including individual preparation
6. Demonstrate and follow appropriate aftercare for the patient, including pain assessment and wound aftercare if needed
7. Demonstrate and follow proper documentation of the procedure, including updating medical file, surgery log and restricted drug use logs

LAB: Cat Neuters

Upon successful completion of this Module, you will be able to perform as an AHT during cat neuters.

LAB: Feline IV Fluid Therapy

Upon successful completion of this Module, you will be able to perform and maintain intravenous fluid therapy in the feline patient.

1. Prepare the feline patient the night before.
2. Perform TPR and asymmetry evaluations of the patients.
3. Perform drug calculations and sedation of the patient.
4. Prepare and use surgical maintenance IV fluid calculations for the patients.
5. Prepare materials for IV fluid delivery of patient.
6. Identify and use instruments/equipment used in IV fluid delivery.
7. Perform IV catheterization and IV fluid delivery.
8. Assist with recovery of patient and clean-up.

TRANSFERABILITY: ** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability

GRADING CRITERIA:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	**4-point Equivalent**	**Percentage Guidelines**	**Designation**
A$^+$	4.0	90 – 100	**EXCELLENT**
A	4.0	85 – 89	
A$^-$	3.7	80 – 84	**FIRST CLASS STANDING**
B$^+$	3.3	77 – 79	
B	3.0	73 – 76	**GOOD**
B$^-$	2.7	70 – 72	
C$^+$	2.3	67 – 69	**SATISFACTORY**
C	2.0	63 – 66	
C$^-$	1.7	60 – 62	**MINIMAL PASS***
F	1.3	55 – 59	**FAIL**
	1.0	50 – 54	
	0.0	0 – 49	
WF	0.0	0	**FAIL, withdrawal after the deadline**

*overall grade average has to be 2.0 or higher to be successful in the program.

STUDENT EVALUATION:
Students are evaluated on timeliness, sanitation, presentation, clinic duties, medical records, conflict resolution, team work and attitude. 80% or above is needed for a passing mark. Students must also complete both small and large animal competency lists. These lists may include a written evaluation of the knowledge acquired during the labs.

STUDENT RESPONSIBILITIES: Enrolment at Grande Prairie Regional College assumes that the student will become a responsible

citizen of the College. As such, each student will display a positive work ethic, take pride in and assist in the maintenance and preservation of Institute property, and assume responsibility for his/her education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting instructor expectations concerning attendance, assignments, deadlines, and appointments.

ADDITIONAL INFORMATION:

Any material handed in to an instructor must be in blue or black pen, no white out, medical corrections only. Disruptive behavior in the class will result in the student being excused from the class – this includes use of cell phones or any hand held equipment that has not been approved by the instructor.
Any student wishing to see a marked quiz or midterm must make an appointment with the instructor to view or go over. Final exams are not available to be viewed by a student.
For your safety, the safety of others, and the safety of the animals there will be zero tolerance of anyone showing up for clinic under the influence of alcohol or other medication which may cause physical impairment or disruptive behaviour. If you are on a standard or prescribed medication, please consult your instructor before the lab. Attendance is mandatory at all clinic/lab sessions, valid reason for absence is required - the instructors must be notified prior to the clinic/lab that will be missed. Clinic/lab rotations missed without a valid excuse will result in a 8% deduction for a first offence, 10% for second and following offences. Having a valid reason does not change the student's responsibility to acquire the information dispensed during clinic/ lab, nor the student's obligation to finish required assignments/quizzes/tests or achieve competencies practiced. A student who misses two or more clinic/lab sessions without prior approval of absence may receive an incomplete or failure grade. If a student group does not have the required clinic/lab set up completed by the time the clinic/lab is to commence up to 5% may be deducted, from each of the group member's grade, for every occurrence of this nature. Failure to complete the required

clean-up after each clinic/lab will result in 5% deducted from each group member's final grade. If anesthetist does not adequately prepare the animal for the required lab 8-10 % will be deducted and the clinic/lab may be cancelled. If a student does not come prepared for the clinic/lab they will be excused from the clinic/lab and deducted as missed without a valid reason. If a student wishes to reschedule attendance to a clinic/lab (ie:join another group), they are required to seek permission from the instructors and coordinator prior to the scheduled clinic/lab. Other deductions apply according to clinic schedule.

STATEMENT ON PLAGIARISM AND CHEATING:

Please refer to pages 49-50 of the College calendar regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

*overall grade point average has to be 2.0 or higher to be successful in the AHT program.

Created by: Christy Barlund   Date: August 26 2011

Signature:

Approved by: Trisha Holubowich   Date:

Signature: