Douglas College

EFFECTIVE: JANUARY, 2008
CURRICULUM GUIDELINES

A. Division: **Education** Effective Date: January, 2008

B. Department / Program Area: **Science & Technology** **Animal Health Technology**

Revision [ ] New Course [X]

If Revision, Section(s) Revised:
Date of Previous Revision:
Date of Current Revision:

C:	**D:**	**E:**
AHTT 1203	**Veterinary Care II**	**3**
Subject & Course No.	Descriptive Title	Semester Credits

F: Calendar Description:

This course is designed to provide the student with a basic understanding of their role in ward or kennel management within the veterinary hospital. It provides a practical introduction to the fields of veterinary radiology, anaesthesia, dentistry and surgery. Specific systems testing (ocular), as well as routine grooming and maintenance procedures (aural hygiene, anal sacs, and enemas) are covered.

G: Allocation of Contact Hours to Type of Instruction / Learning Settings

Primary Methods of Instructional Delivery and/or Learning Settings:

-Lecture/Laboratory
-Practicum in Veterinary Practices

Number of Contact Hours: (per week / semester for each descriptor)

2 x 1 hr Lecture (9 weeks)
1 x 3 hr Laboratory (9 weeks)
1 x 5 hr Veterinary Hospital practicum (4 weeks)

Number of Weeks per Semester:

15 weeks

H: Course Prerequisites:

AHTT 1103

I: Course Corequisites:

None

J: Course for which this Course is a Prerequisite:

AHTT 2303 Veterinary Care III
AHTT 2106 Veterinary Dentistry
AHTT 2108 Veterinary Anaesthesia
AHTT 2109 Veterinary Radiology I
AHTT 2304 Veterinary Surgical Assistance

K: Maximum Class Size:

30

L: PLEASE INDICATE**:**

- [ ] Non-Credit
- [X] College Credit Non-Transfer
- [ ] College Credit Transfer:

SEE BC TRANSFER GUIDE FOR TRANSFER DETAILS (www.bctransferguide.ca)

M: Course Objectives / Learning Outcomes:

Upon completion of Veterinary Care II (AHTT 1203), the student will be able to:

1. Understand and be able to use appropriate and safe techniques to examine and clean cats and dogs ears and eyes, to apply eye and ear medications safely, and to correctly utilize routine diagnostic ocular tests.

2. Demonstrate knowledge of basic care of skin, anal sacs, nails and teeth of dogs and cats and understand how to safely and effectively administer an appropriate enema in both species.

3. Obtain urine specimens from dogs and cats using appropriate techniques and understand how to choose the technique required in each case.

4. Place urinary catheters and understand the nursing care required for them.

5. Become familiar with the basics of radiology, including positioning of the patient and safety of patients and staff.

6. Become familiar with the basics of sedation and general anaesthesia, including induction maintenance and monitoring.

7. Demonstrate surgical preparation of patients for routine surgeries and be familiar with ovariohysterectomy and orchiectomy surgeries including the required instruments and their care.

8. Be able to detail postoperative care for ovariohysterectomy and orchiectomy surgeries and other routine surgical procedures.

9. Be familiar with the normal dentition of several species and be able to explain the basics of prophylactic dental care.

10. Demonstrate basic bandaging techniques and wound care for dogs and cats and be familiar with procedures for large animal and exotics bandaging and wound care.

11. Understand the special nursing needs of paediatric and geriatric patients.

N: Course Content:

Ophthalmology – Procedures & Routine Care:
- terminology and anatomy review
- intraocular pressure, KCS, glaucoma, corneal ulcer, distichiasis
- review of instruments and materials: Tonopen, Schiotz's tonometer, indirect lens, ocular head loupe, fluoroscein stain, ophthalmic drops and anaesthetic, Schirmer's tear test strips, and introduction to specialized surgical instruments
- care of instrumentation

Otic Care:
- brief review of ear examination and cleansing
- administration of otic medication

Urinary Care & Diagnostics:
- urinary catheters, types
- instruction and practice in catheterization of male dog and cat; demonstration and practice in females
- large animal techniques
- urinary collection requirements/sterilization
- free catch, catheterization and cystocentesis sampling

Special Needs Nursing:
A. Paediatrics.
- basic nursing care for puppies, kittens, foals, calves and other species
- review basic requirements: temperature, light, food, hygiene, parasite control (internal and external), and weigh-ins
- digital and walk-on scales, and maternal care

- orphaned puppies, kittens, other species care
- comparison of commonly dispensed dewormers and flea medications and protocols
- tail and dewclaw charts
- sexing newborns of different species and the newborn check up

B. **Geriatrics.**
- review of intravenous catheterization and care
- body scoring charts
- musculoskeletal exam of senior dogs
- review of neurological exam terminology and data recording
- history taking for senior patients
- euthanasia decisions and the AHT's role

Special Procedures:
- thoracocentesis, abdominocentesis, blood pressure monitoring, ECGs and other diagnostic tools

Anaesthesia:
- definitions, stages and equipment
- preparing emergency drug box/ "crash cart"
- Ambu-dog and practice resuscitation
- introduction to monitoring and charting of relevant data; preanaesthetic evaluation and preparation
- anaesthetic pathway introduction

Radiology:
- dosimetry, radiation safety including WCB & WHMIS regulations
- basic principles and definitions, equipment introduction
- darkroom procedures
- equipment set-up and techniques charts with attention to species differences
- positioning practice. Skills will be expanded upon in Veterinary Radiology I and II (AHTT 2109, 2309)

Wound and Fracture Management:
- definitions: wounds; phases of healing; types of healing, wound contamination vs. infection
- first aid and assessment; management of wounds and closure types
- cautions and complications
- bandaging – types and decision making
- drain types – characteristics and choices
- large animal and small animal – species differences in protocols
- equine tail and leg wraps.
- splinting
- introduction to casting

Surgical Nursing Skills:
- AHT's role; preparing patients; review of surgical instrumentation – names and care
- definitions: asepsis, sterility, types of sterilization, autoclave, spay and neuter pack
- introduction to wrapping basic pack, surgical drape and gown

O: Methods of Instruction:

This course includes 2 lecture hours per week, some of which will include video demonstrations of diagnostic and nursing skills. The laboratory consists of practical skills demonstrations and "hands-on" practice. Students will also go to individual veterinary practices (general small animal or mixed animal practice) for 5 hours of observation /internship once per week in weeks 9-12 of the semester.

P: Textbooks and Materials to be Purchased by Students:

Crowe, Steven E. *Manual of Clinical Procedures in the Dog, Cat & Rabbit.* Blackwell Publishing 2nd edition, 1997.

McCurnin, Dennis & Bassert, J.M. *Clinical textbook for Veterinary Technicians.* Elsevier. 6th edition. 2006.
Lavin, Lisa M. *Radiography in Veterinary Technology*. Elsevier. 4th edition. 2007.

Q: Means of Assessment:

Midterm 1	20
Midterm 2	20
Lab Assignments	10
Internship evaluation (attitude, completion of checklist, presentation)	20
Participation & Attendance	10
Final Exam	20
	100%

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR

Yes

Course Designer(s):Diane Boyle, DVM / Pauline Chow, DVM

Education Council / Curriculum Committee Representative

Dean / Director: Dr. Sandy Vanderburgh

Registrar: Trish Angus

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