



## DEPARTMENT OF ANIMAL SCIENCE

### COURSE OUTLINE – WINTER 2021

#### AH 246 ANIMAL NURSING I – 1.5 (1.5-0-1.5) 48 HOURS

16 Weeks

<b>INSTRUCTOR:</b>	Kristy Honing Rhonda Shaw Dr. Mizzi	<b>PHONE:</b>	780-835-1355 780-835-6702 780-228-3018
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<b>OFFICE HOURS:</b>	Noted Faculty may be working from offices and from home for Winter 2021 Semester.		

#### WINTER 2021 DELIVERY:

Mixed Delivery – Remote and Onsite. This course is delivered remotely with some face-to-face/onsite components at the GPRC *Fairview* campus.

- For the remote delivery components: students must have a computer with a webcam and reliable internet connection. Technological support is available through [helpdesk@gprc.ab.ca](mailto:helpdesk@gprc.ab.ca).
- For the onsite components: students must supply their own mask [and/or face shield] and follow [GPRC Campus Access Guidelines and Expectations](#).

Note: GPRC reserves the right to change the course delivery.

#### CALENDAR DESCRIPTION:

Proper identification, use, care and maintenance of all equipment is emphasized. Basic grooming procedures, hoof, nail, ear and eye conditions and care are taught. Students will learn about physical therapy, bandaging, splinting, casting, and wound healing. Recognition and treatment of complications of improper techniques are covered.

#### PREREQUISITE(S)/COREQUISITE:

- Must be registered in the GPRC Animal Health Technology Program
- AH112, AH141, AH145, AH172, AH173 and AH174

#### REQUIRED TEXT/RESOURCE MATERIALS:

- Student Handouts (Course pack) must be purchased
- *McCurnin's Clinical Textbook for Veterinary Technicians*, Ninth Edition
- *Computer/Tablet or device with stable internet and video chat capabilities.*

## **DELIVERY MODE(S):**

MIXED USING D2L global software for Lecture purposes. The Brightspace learning management system, which is a cloud-based software used by GPRC, for online and blended classroom learning.

## **COURSE OBJECTIVES/LEARNING OUTCOMES:**

**A. Practical Veterinary Calculations.** Upon completion of this assignment students will:

- Demonstrate proper calculations learned in AH 173 Applied Mathematics.

**B. Sanitation and Disinfection.** Upon completion of this unit, students will be able to:

- Define terms related to sanitation and disinfection.
- Discuss what makes a disinfectant effective.
- List and discuss the disinfecting agents.
- Discuss the methods used to prevent disease transmission.

**C. Physical Exam (PE), Temperature Pulse Respiration (TPR), Asymmetry; Intermuscular (IM) & Subcutaneous injections (SQ).** Upon completion of this unit, students will be able to:

- Discuss and demonstrate how to obtain a PE, TPR; perform asymmetry evaluations on canine and feline patients.
- Demonstrate proper restraint learned in AH 114 of the canine and feline patient for IM/SQ/IV (intravenous) injections.
- Demonstrate proper technique when giving IM/SQ injections.
- Accurately maintain medical records.

**D. Ear and anal glands.** Upon completion of this unit, students will be able to:

- Describe otitis externa, otitis media & otitis interna in detail.
- Describe what an aural hematoma is and how to treat it.
- Describe cleaning and flushing of the ear on a canine and feline patient.
- Describe in detail anal glands an expression on the canine and feline patient.
- Describe an enema as it relates to veterinary medicine.

**E. Eyes.** Upon completion of this unit, students will be able to:

- Define terms related to ophthalmology.
- Explain, in detail, ophthalmic examinations including:
  - ❖ Physical restraint.
  - ❖ Patient history.
  - ❖ Patient observation.
- List & describe instruments used for ocular & otic examination.
- Describe how to perform ophthalmic examination on the canine and feline patient.
- Describe how to perform fluorescein staining of the eye of a canine and feline patient.

- Describe how to perform a Schirmer Tear Test on a canine or feline patient.
- Describe how to administer eye drops and ointments into the eye of a canine and feline patient.
- Describe common ocular disorders.

**F. Wound Management.** Upon completion of this unit, students will be able to:

- Describe the classifications of wounds and phases of wound healing.
- List the categories of wounds.
- Describe how wounds are treated.
- Describe in detail how to perform various bandages that are done in veterinary medicine on the canine, feline and equine patient.

**G. Rehabilitation.** Upon completion of this unit, students will be able to:

- Describe rehabilitation.
- Describe the modalities involved in rehabilitation.

**H. Grooming & Nail/hoof care.** Upon completion of this unit, students will be able to:

- Describe basic nail and hoof care.
- State the use of specific grooming tools.
- Summarize basic grooming and bathing of animals.

**I. Bovine Vaccination Lab.** Upon completion of this lab the student will be able to explain and demonstrate how to administer vaccinations on the bovine patient.

**J. Hoof Trimming:** Upon completion of this lab the student will be able to describe proper hoof care for cattle and the tools used to do so.

**K. Equine Bandaging Lab:** Upon completion of this lab the student will be able to describe and perform proper bandaging techniques on the equine patient.

**L. Porcine Lab:** Upon completion of this lab, the student will be able to catch, restrain, TPR and administer IM injections to swine.

**M. Calving/Lambing Rotation:** At the end of this rotation the student will be able to assist with calving and lambing and the processing of newborn lambs and calves. Students will be expected to complete shifts in the calving and lambing barn. Groups will be on a rotating schedule to be posted.

**N. Dog Walking/Sanitation Rotation:** Students will be expected to complete dog walking and sanitation rotations as part of their sanitation and animal care mark. See additional information below for further details. Rotation schedule to be posted.

## TRANSFERABILITY:

Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at the Alberta Transfer Guide main page <http://www.transferralberta.ca>.

**\*\* 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**

## STUDENTS EQUIPMENT AND SUPPLIES:

- Scrub top and bottoms
- Coveralls and boots
- Watch with a second hand
- Shoes with a covered toe and heel
- Stethoscope
- Thermometer

### GRADING CRITERIA:

#### GRADING CONVERSION CHART for ANIMAL HEALTH TECHNOLOGY

**OVERALL GRADE POINT AVERAGE HAS TO BE 2.0 OR HIGHER TO BE SUCCESSFUL IN THE AHT PROGRAM.**

Alpha Grade	4-point Equivalent	Percentage Guidelines		Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	90-100		C+	2.3	67-69
A	4.0	85-89		C	2.0	63-66
A-	3.7	80-84		C-	1.7	60-62
B+	3.3	77-79		FAIL	1.3	55-59
B	3.0	73-76		FAIL	1.0	50-54
B-	2.7	70-72		WF	0.0	00-49

<b>Mark Distribution</b>	
A. Lecture/Lab Assignments	5%
B. Sanitation and animal care	10%
<input type="checkbox"/> Calving and Lambing	
<input type="checkbox"/> Dog walking	
<input type="checkbox"/> Sanitation	
C. Lecture/Lab Quizzes	15%
D. Lecture Midterm	15%
E. Lab Final Exam	20%
F. Lecture Final Exam	<u>35%</u>
	100%

\*A minimum of 60% must be obtained in order to successfully pass AH 246.

### **STUDENT EVALUATION:**

A minimum of 80% is required in the animal care related portion of the course (sanitation, dog walking, calving and lambing), as well as 80% on the final practical evaluation in order to successfully pass this course.

Deductions for AH 246 are based on the below deduction guideline, any deductions that accumulate throughout this course will be taken off the final grade achieved in AH 246.

Pass Requirements and Deductions for AHT Program

Another copy of this table is located in your competency checklist booklet

<b>Reason</b>	<b>Deduction off final mark.</b>
Absent from Lab with no notification (no valid excuse).	5% first offence, 10% for second and following offences.
Excused from Lab (attitude, affected judgment, etc)	5-10%
Breach of Code of Conduct or Academic Guidelines	1-5% or incomplete for the course
Sanitation Lapse	0.5%-1% per lapse in procedure
Sanitation no show (Outside of Clinic)	5% per sanitation session
Missed Dog walking shift	5% per shift
Inappropriate Attire	0.5%
Late for lab less than 15 minutes	1%
Late for lab 15-45 minutes	5% partial day increase to 10% after 1pm
Medical record not completed	2%
Medical record completed improperly	0.5%
Log books not completed	2%
Poor attitude (if not leading to being excused)	3%
Inappropriate communication	3%
Failure to prep patient for next day	10%
Feeding of animal for surgery that day	5%
This is not a limiting list. Additional deductions may be possible and are at the discretion of the supervisor.	0.5-5%
Missed food/water/litter/kennel sanitation	5%
Missed Treatment, lost keys (not found by end of rotation)	3%

Unprepared for lab (worksheets, workstations, required readings, animal prep)	1-3%
Inappropriate behaviour or care resulting in unethical treatment of animal(s) (physical abuse, neglect of animal husbandry, etc).	Incomplete in course

### **ADDITIONAL INFORMATION:**

Attendance is mandatory at all laboratory sessions; valid reason for absence is required. For your safety, the safety of others and the safety of the animals there will be zero tolerance of anyone showing up for the laboratory sessions under the influence of alcohol or other medications which may cause physical impairment or disruptive behaviour. If you are on a standard or prescribed medication, please consult with your instructor prior to the lab. Labs or animal care sessions missed for the above reasons will also be considered as missed without a valid excuse and result in up to 10% deduction of final mark for every instance.

If a student wishes to reschedule attendance to a lab or animal care session (i.e. join another group), they must seek permission from the instructor prior to the event.

Having a valid reason does not change the student's responsibility to acquire the information dispensed during the lab or lecture, nor their obligation to finish required assignments or achieve competencies practiced.

Students are expected to show up prepared for lab. This includes, but is not limited to appropriate clothing, equipment and knowledge (assigned readings). Failure to do so will result in student dismissal from lab to acquire what is necessary and a deduction in the lab prep portion.

Animal care related duties refer to the provision of essential care for program dogs (sanitation, walking, behaviour modification / observation and documentation). Students are required to participate based on a rotation schedule which will include weekends and holidays. Not doing so according to set guidelines will result in deductions. Schedule changes are limited and must be approved by the instructor prior to the schedule time. See K9 Socialization / Walking Rotation Contract and information sheet for specific guidelines and deductions.

**\*\*A student who misses 3 or more lab sessions, sanitation, dog walking or animal care rotations will receive an automatic fail of the course.\*\***

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.

**Note:** The quizzes/midterm examination/final examination for this course may be taken online with the use of Respondus Lockdown Browser and Respondus Monitor exam proctoring software. Students must download Lockdown Browser and Respondus Monitor will automatically start with quizzes/examinations through myClass. The proctoring software is a requirement to uphold academic integrity and is necessary to meet accreditation requirements.

Lockdown Browser and Respondus Monitor requires Windows or Mac desktop, laptop, or iPad platforms. Chromebooks, smart phones, and other tablets are not supported. If you do not have access

to a Windows or Mac desktop, laptop or iPad, you can book a College PC via the GPRC App -> On-campus Reservations.

You can learn more about Respondus Lockdown Browser and Respondus Monitor here:

<https://web.respondus.com/lockdownbrowser-student-video/>. It is important to note that the software recordings are automated systems and are designed to be less intrusive than in-person proctors. The software is only running while you are signed in during your exam. The exam administrators only review the recordings after the exam is submitted and only if it was flagged due to suspicious activity. The collection and use of your personal information is in accordance with the Freedom of Information and Protection of Privacy (FOIP) Act S. 33 (c) which states that “No personal information may be collected by or for a public body unless that information relates directly to and is necessary for an operating program or activity of the public body.” In addition S. 39 (4) states, “A public body may use personal information only to the extent necessary to enable the public body to carry out its purpose in a reasonable manner.”

If you are unable to complete your quizzes/examinations using the proctoring software you may request alternative accommodations to the online testing by contacting your instructor and the GPRC Testing Centre by telephone at 780-539-2212 to arrange to write your exam. Students must book their quizzes/examinations no less than 2-weeks in advance of the test date and students are choosing to write the quizzes/examination in the GPRC Testing Centre are responsible for the \$30 sitting fee.

**\*\*Note:** all Academic and Administrative policies are available on the same page.

### **COURSE SCHEDULE/TENTATIVE TIMELINE:**

As posted

### **STUDENT RESPONSIBILITIES:**

Enrolment at GPRC 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.

### **STATEMENT ON PLAGIARISM AND CHEATING:**

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at <http://www.gprc.ab.ca/about/administration/policies/>