



## DEPARTMENT OF ANIMAL HEALTH

### COURSE OUTLINE – FALL 2014

#### AH 346 – ANIMAL NURSING II

**INSTRUCTOR:** Christy Barlund, DVM      **PHONE:** 780-835-6701  
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**OFFICE HOURS:** 9am – 4pm or as posted

#### **PREREQUISITE(S)/COREQUISITE:**

Students must complete and pass AH246 04/11

#### **REQUIRED TEXT/RESOURCE MATERIALS:**

- Susan M. Taylor, *Small Animal Clinical Techniques*, Saunders/Elsevier, 2010, 1<sup>st</sup> Edition
- Marianne Tear, *Small Animal Surgical Nursing*, Elsevier/Moseby, 2012, 2<sup>nd</sup> Edition

**CALENDAR DESCRIPTION:** Proper identification, use, care and maintenance of all equipment is continued. Administration of medications by different routes is taught. The student will learn techniques for venipuncture, catheterizations and urine and vaginal sample collection. Fluid therapy is covered in depth; instruction includes general nursing care of hospitalized patients, orphans, newborns, post-parturient dams, and principles of pain management. The student will be instructed on basic procedures such as vaginal exams, care of tracheotomy, pharyngostomy and chest tube sites, preparation of wounds and abscesses for treatment. The student will be able to discuss and/or perform all procedures covered and identify any common complications. Students will learn veterinary first aid procedures and emergency protocols. Humane euthanasia and maintenance of legal record and log books is covered.

**CREDIT/CONTACT HOURS:** 3.5/56

**DELIVERY MODE(S):** **Lecture** Students will obtain and be evaluated on practical competencies in animal nursing in Clinical Procedures I & II labs.

## **OBJECTIVES:**

**Module 1: Applied Math Assignment** Upon successful completion of this Module, you will be able to apply and use veterinary math.

1. Complete the calculations assignment.

## **Module 2: Collection of Urine**

Upon successful completion of this Module, you will be able to describe and demonstrate the collection of urine samples.

1. Describe different urine collection methods and their indications.
2. Collect urine through the catheterization of a male canine.
3. Recognize and express, by palpation, the bladder of small animal species.
4. Assist with cystocentesis and discuss contraindications.
5. Explain the maintenance of urinary catheters in patients.
6. Collect and analyze voided urine samples.

## **Module 3: Vaginal Sample Collection**

Upon successful completion of this Module, you will be able to describe and perform vaginal sample collection.

1. Describe different vaginal sample collection methods.
2. Collect and record vaginal sample and preserve for future use.

## **Module 4: Venipuncture**

Upon successful completion of this Module, you will be able to discuss and perform venipuncture.

1. Explain the purpose of venipuncture.
2. Identify and locate appropriate venipuncture sites.
3. Identify and apply venipuncture tools.
4. Describe and apply jugular venipuncture in the canine and feline species.
5. Describe and apply lateral saphenous venipuncture in the canine species.
6. Describe and apply cephalic venipuncture in the canine and feline species.
7. Describe and apply sublingual venipuncture in the canine species.
8. Describe and apply femoral venipuncture in the feline species.
9. Describe and apply common complications of venipuncture.

## **Module 5: IV Catheters**

Upon successful completion of this Module, you will be able to discuss and perform intravenous catheterization.

1. Explain the purpose of intravenous catheterization.
2. Identify and locate appropriate intravenous catheterization sites.
3. Identify different types of intravenous catheters and their functions.
4. Describe and apply intravenous catheterization of the cephalic, saphenous and jugular veins in appropriate species.

## **Module 6: IV Fluid Therapy**

Upon successful completion of this Module, you will be able to discuss, perform and maintain fluid therapy.

1. Explain the purpose of fluid therapy.
2. Describe commonly used fluid preparations and their purposes.
3. Discuss indications for implementing fluid therapy.
4. Identify modes of administering fluid therapy.
5. Determine and maintain direct flow rates.
6. Describe and apply intravenous catheter placement.
7. Describe and apply intravenous and subcutaneous fluid therapy.
8. Describe per os fluid therapy.
9. Describe and treat complications of fluid therapy.

### **Module 7: Animal Nursing Care**

Upon successful completion of this Module, you will be able to discuss and apply nursing care for the veterinary patient.

1. Provide routine care and observation of hospitalized patients.
2. Discuss and provide pain management.
3. Describe and apply care of wounds and abscess.
4. Explain and apply nursing care for newborn animals and the post parturient dam.
5. Explain and provide nursing care for orphaned animals.
6. Describe intramammary treatments for mastitis in the bovine species.
7. Describe and apply nursing care for tracheostomy, thoracotomy, esophagostomy and gastrostomy tubes.
8. Explain and be prepared to provide nursing care for the cancer patient.

### **Module 8: Emergency and First Aid**

Upon successful completion of this Module, you will be able to describe and apply veterinary emergency and first aid procedures.

1. Describe first aid.
2. Describe and apply emergency protocols.

### **TRANSFERABILITY: N/A**

**\*\* 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 <sup>+</sup>	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89	
A <sup>-</sup>	3.7	80 – 84	FIRST CLASS STANDING
B <sup>+</sup>	3.3	77 – 79	
B	3.0	73 – 76	GOOD
B <sup>-</sup>	2.7	70 – 72	
C <sup>+</sup>	2.3	67 – 69	SATISFACTORY
C	2.0	63 – 66	
C <sup>-</sup>	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:** A passing grade in this course is a minimum of 60% in the theory portion. Deductions at the discretion of the instructor. The instructor may give pop quizzes. There is a supplemental examination available only for the final exam. Students must have a mark of 50% or greater on the final exam to be allowed to write a supplemental exam. No supplemental quizzes allowed. If a student misses a quiz without prior notification and without a valid reason, a mark of zero will be assigned for that quiz. Late assignments will not be accepted.

**Mark Distribution**

A. Midterm	30%
B. Quizzes	20%
C. Final Written Exam	35%
D. Assignments	<u>15%</u>
	<b>100%</b>

## **STUDENT EQUIPMENT AND SUPPLIES**

- Simple Calculator
- Blue or Black Pen (permanent ink)

**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.

### **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.