



**DEPARTMENT OF ANIMAL SCIENCE**

**COURSE OUTLINE – FALL 2016**

**AH348 ANIMAL NURSING AND SURGICAL ASSISTANCE FOR THE VT – 4 (4.5-0-0)**

**72HOURS 16 Weeks**

|                      |   |                |   |
|----------------------|---|----------------|---|
| <b>INSTRUCTOR:</b>   | Christy Barlund, DVM<br>Kristy Honing, RVT<br>CCRA      | <b>PHONE:</b>  | (780) 835 6701<br>(780) 835 6779          |
| <b>OFFICE:</b>       | FAS 136<br>FAS 138                                      | <b>E-MAIL:</b> | cbarlund@gprc.ab.ca<br>KHoning@gprc.ab.ca |
| <b>OFFICE HOURS:</b> | Christy Barlund: 1-3pm Thursdays<br>otherwise as posted |                |   |

**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.

Identification, use, care and maintenance of surgical instruments, equipment and supplies is covered in detail. Students learn to prepare facilities, patients and equipment for surgical procedures with strict adherence to principles of sanitation and sterilization. Students will participate in surgical procedures as a surgical assistant

and will learn to pass instruments, care for exposed tissue and provide suction or cautery. Students become responsible for post-operative cleanup of the patient, equipment and facilities and follow up with patient monitoring and surgical records

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

- Must be registered in the GPRC Animal Health Technology Program
- AH141, AH143, AH173, AH240, AH244, AH246, AH249

**REQUIRED TEXT/RESOURCE MATERIALS:**

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

**DELIVERY MODE(S):**

Lecture; Students will obtain and be evaluated on practical competencies in animal nursing & surgical assistance in Clinical Procedures I & II labs.

**COURSE OBJECTIVES/LEARNING OUTCOMES:**

**TRANSFERABILITY:** (if applicable)

A list of institutions to which this course transfers (For example: UA, UC, UL, AU, GMU, CU, CUC, KUC. Please note that this is a sample and it must be replaced by your specific course transfer)

\*Warning: Although we strive to make the transferability information in this document up-to-date and accurate, the student has the final responsibility for ensuring the transferability of this course to Alberta Colleges and Universities. Please consult the Alberta Transfer Guide for more information. You may check to ensure the transferability of this course at Alberta Transfer Guide main page <http://www.transferalberta.ca> or, if you do not want to navigate through few links, at <http://alis.alberta.ca/ps/tsp/ta/tbi/onlinesearch.html?SearchMode=S&step=2>

\*\* 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

**(The following criteria may be changed to suite the particular course/instructor)**

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**.

**EVALUATIONS:**

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| <b>GRADING CRITERIA:</b>  |
| <b>GRADING CONVERSION CHART for ANIMAL HEALTH TECHNOLOGY</b>                                    |
| <b>OVERALL GRADE POINT AVERAGE HAS TO BE 2.0 OR HIGHER TO BE SUCCESSFUL IN THE AHT PROGRAM.</b> |

| <b>Alpha Grade</b> | <b>4-point Equivalent</b> | <b>Percentage Guidelines</b> |  | <b>Alpha Grade</b> | <b>4-point Equivalent</b> | <b>Percentage Guidelines</b> |
|--------------------|---------------------------|------------------------------|--|--------------------|---------------------------|------------------------------|
| 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>EXAMINATIONS</b>  | Mark Distribution |
|--|-------------------|
| <b>A.</b> Quizzes & Assignments -including Applied Anatomy written theory quiz | 20%               |
| <b>B.</b> Applied Math Module  | 10%               |
| <b>C.</b> Midterm Exam   | 20%               |
| <b>D.</b> Instrument Bell Ringer   | 15%               |
| <b>E.</b> Final Exam   | <b>35%</b>        |
|  | <b>100%</b>       |

\* A minimum of 60% must be obtained in order to successfully pass AH348. 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 not accepted. Any material handed in to an instructor must be in blue or black pen, no white out, medical corrections only.

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

- **Emergency and First Aid**
  - Upon successful completion of this Module, you will be able to describe and apply veterinary emergency and first aid procedures
- **Applied Math Assignment**
- **Facility and Patient Preparation**
  - Upon successful completion of this Module, you will be able to describe and demonstrate the appropriate use of surgical instruments and supplies; prepare facilities, equipment and the patient for surgery.
- **Collection of Urine**
  - Upon successful completion of this Module, you will be able to describe and demonstrate the collection of urine samples.
- **Vaginal Sample Collection**
  - Upon successful completion of this Module, you will be able to describe and perform vaginal sample collection.

- **Surgical Assistant**
  - Upon successful completion of this Module, you will be able to prepare and perform aseptic surgical scrub, describe and demonstrate appropriate operating room conduct, maintain operating room asepsis, describe and demonstrate draping of a patient, describe and demonstrate how to properly pass instruments and supplies, assist with care of exposed tissues and /or organs, describe the use of suction, cauterizing and fiber optic equipment while performing as a surgical assistant.
- **Post-Surgical Duties**
  - Upon successful completion of this Module, you will be able to perform post-surgical duties such as effective operating room and prep room clean up.
- **Venipuncture**
  - Upon successful completion of this Module, you will be able to discuss and perform venipuncture.
- **IV Catheters**
  - Upon successful completion of this Module, you will be able to discuss and perform intravenous catheterization.
- **IV Fluid Therapy**
  - Upon successful completion of this Module, you will be able to discuss, perform and maintain fluid therapy.
- **Animal Nursing Care**
  - Upon successful completion of this Module, you will be able to discuss and apply nursing care for the veterinary patient.
    - Provide routine care and observation of hospitalized patients.
    - Discuss and provide pain management.
    - Describe and apply care of wounds and abscess.
    - Explain and apply nursing care for newborn animals and the post parturient dam.
    - Explain and provide nursing care for orphaned animals.
    - Describe intramammary treatments for mastitis in the bovine species.
    - Describe and apply nursing care for tracheostomy, thoracotomy, esophagostomy and gastrostomy tubes.
    - Explain and be prepared to provide nursing care for the cancer patient.
- **Suturing**
  - Upon successful completion of this Module, you will be able to identify common suture material, suture patterns and knots used in veterinary practice.

**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/>

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

**ADDITIONAL INFORMATION:** (optional)

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| YEAR: August 29, 2016 |
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