

## DEPARTMENT OF ANIMAL SCIENCE

### COURSE OUTLINE – Fall 2023

#### AH348 ANIMAL NURSING AND SURGICAL ASSISTANCE FOR THE VT

#### 4 (4.5-0-0) 72 Hours for 16 Weeks

Northwestern Polytechnic acknowledges that our campuses are located on Treaty 8 territory, the ancestral and present-day home to many diverse First Nations, Metis, and Inuit people. We are grateful to work, live and learn on the traditional territory of Duncan's First Nation, Horse Lake First Nation and Sturgeon Lake Cree Nation, who are the original caretakers of this land.

We acknowledge the history of this land and we are thankful for the opportunity to walk together in friendship, where we will encourage and promote positive change for present and future generations.

<b>INSTRUCTOR:</b>	<b>Karlee Worobetz, RVT</b>	<b>PHONE:</b>	<b>(780) 835 6686</b>
<b>OFFICE:</b>	<b>AS 140</b>	<b>E-MAIL:</b>	<b>kworobetz@nwpolytech.ca</b>
<b>OFFICE HOURS:</b>	<b>See posted schedule on office board</b>		

#### 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. 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:**

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

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

- Joanna M. Bassert, *McCurnin's Clinical Textbook for Veterinary Technicians*, Elsevier, 2018, 9<sup>th</sup> Edition
- Joanna M. Bassert, *McCurnin's Clinical Textbook for Veterinary Technicians Workbook*, Elsevier, 2018, 9<sup>th</sup> Edition

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

Hyflex. This course is delivered in-person and remotely via Zoom. Final exams will occur in-person. Students must have a computer with a webcam and reliable internet connection. Technological support is available through [helpdesk@nwpolytech.ca](mailto:helpdesk@nwpolytech.ca).

## **LEARNING OUTCOMES:**

**Surgical Nursing:** Describe and Explain surgical nursing concepts as related to the Veterinary Technologist/Technician. This includes surgical preparation, sterilization, cleaning and listing of common surgical instruments, identification of suture material and techniques and to describe and explain elective and common surgical procedures, preparation of and after care for both large and small animals.

- Surgical Instruments and Aseptic Technique
- Surgical Assistance and Suture Material
- Small Animal Surgical Nursing
- Large Animal Surgical Nursing

**Emergency and Critical Care:** Discussion and explain concepts of fluid therapy, common fluids, fluid calculations and plasma and/or transfusion medicine. Explain and describe concepts of emergency care and procedures for small and large animal patients. Describe and explain care of the critical patient.

- Fluid Therapy and Transfusion Medicine

- Emergency and Critical Care Nursing
- Toxicology

Medical Nursing: Explain and describe common sampling preparation and therapeutic techniques relating to patient preparation and after care of surgical and medical components. Describe safety procedures and common protocol of veterinary oncology. Describe and explain steps involved in medical care of the neonatal patient.

- Diagnostic Sampling and Therapeutic Techniques
- Veterinary Oncology
- Neonatal Care of Puppies, Kittens and Foals

The Technicians role in Pain Management: Explain and discuss options to assess and deliver patient pain management.

## 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.transferalberta.alberta.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.**

## EVALUATIONS:

EXAMINATIONS	Mark Distribution
A. Quizzes and Assignments	65%
B. Final Exam	35%
	100%

## GRADING CRITERIA:

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**. **Grades for this course will be assigned as a percentage.**

See posted timetable for details.

**STUDENT RESPONSIBILITIES:**

Enrolment at NWP assumes that the student will become a responsible citizen of the Institute. 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 ACADEMIC MISCONDUCT:**

Academic Misconduct will not be tolerated. For a more precise definition of academic misconduct and its consequences, refer to the Student Rights and Responsibilities policy available at <https://www.nwpolytech.ca/about/administration/policies/index.html>.

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